



وزارة التربية
الإدارة العامة للتعليم الخاص

اسم الطالب:

الصف:

الفصل:

نموذج امتحان نهاية الفترة الدراسية الثانية للعام الدراسي

٢٠١٩ / ٢٠١٨

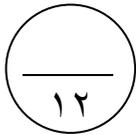
المجال الدراسي: الرياضيات
الصف: الثامن

رقم السؤال	الدرجة	توقيع المصحح
١		
٢		
٣		
٤		
٥		
٦		
٧		
المجموع		

الدرجة بالأحرف:

أولاً: الأسئلة المقالية: أجب على جميع الأسئلة موضحاً خطوات الحل في كل منها

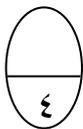
السؤال الأول: -



٣ صندوق فيه ٩ كرات متماثلة تماماً مرقمة من ١ إلى ٩ . سحبت كرة عشوائياً من الصندوق

أوجد احتمال كل من الأحداث التالية :

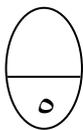
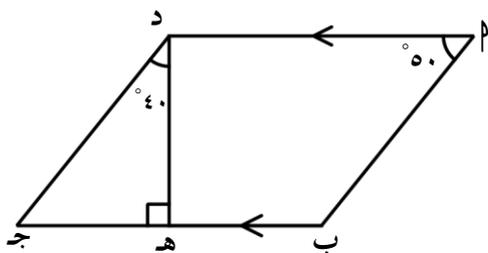
- ظهور عدد أصغر من ٤
- ظهور عدد فردي
- ظهور عدد أصغر من ٤ أو ظهور عدد فردي
- ظهور عدد يقبل القسمة على ٣



ب) في الشكل المقابل: $\overline{د م} // \overline{ب ج}$ ، $\overline{د ه} \perp \overline{ب ج}$ ،

و $(\hat{م}) = ٥٠^\circ$ ، و $(\hat{د ج}) = ٤٠^\circ$

أثبت أن الشكل الرباعي $م ب ج د$ متوازي أضلاع .

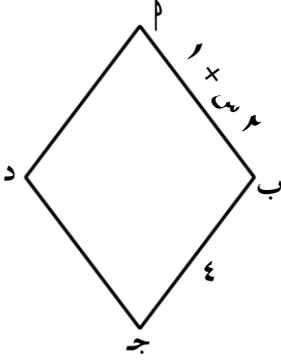


ج) أوجد ارتفاع شبه منحرف مساحته ١٦ وحدة مربعة وطولي القاعدتين ٨ وحدة طول.



السؤال الثاني: -

٢) ا ب ج د معين ، ا ب = ٢ س + ١ وحدة طول
ب ج = ٤ وحدة طول ، أوجد قيمة س .



١٢

٣

ب) حل المتباينة التالية في د :

$$٢ س + ٤ \geq ١٩$$

٤

ج) اجمع الحدوديات التالية :

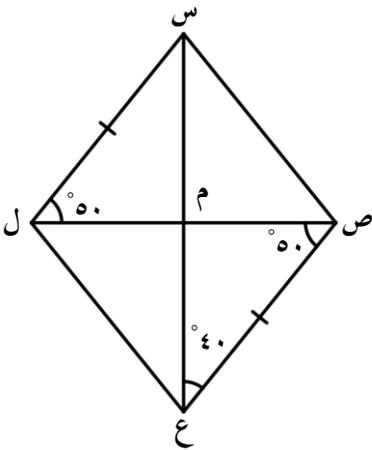
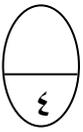
$$٦ س^٣ - ١ ، - ٢ س^٢ - ٤ س + ٥ ، - ٣ س^٣ - ٧ س^٢$$

٥

السؤال الرابع: -

أوجد مجموعة حل المعادلة التالية: (٢)

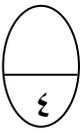
$$(س + ٣) - ١ = ٠ ، س \in \mathbb{R}$$



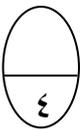
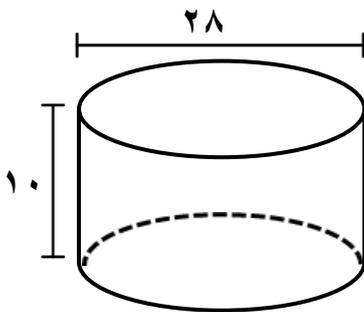
ب) في الشكل المقابل : $س ل = ص ع$

$$\widehat{س} = ٥٠^\circ ، \widehat{ع} = ٤٠^\circ ، \widehat{ل} = ٥٠^\circ ، \widehat{ص} = ٤٠^\circ$$

أثبت أن الشكل الرباعي س ص ع ل معين



ج) أوجد حجم الأسطوانة : (استخدم $\pi = ٣,١٤$)



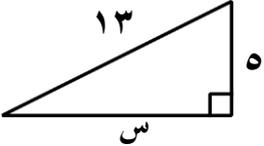
ثانياً: البنود الموضوعية

السؤال الخامس: -

أولاً: في البنود (١ ← ٤) ظلل (١) إذا كانت العبارة صحيحة:

أو ظلل (ب) إذا كانت العبارة غير صحيحة:

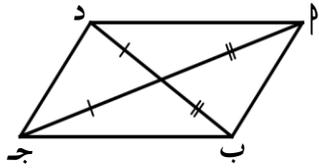
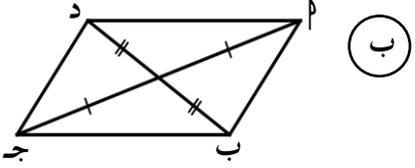
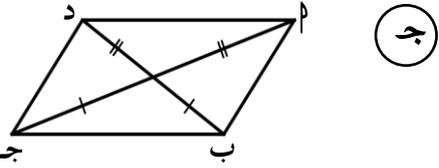
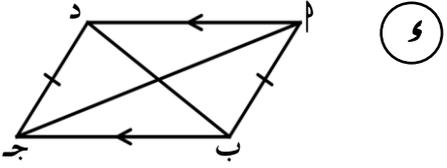
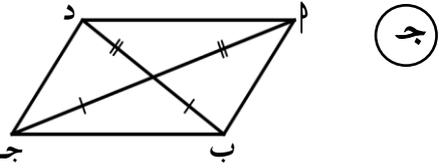
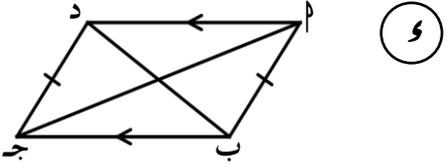
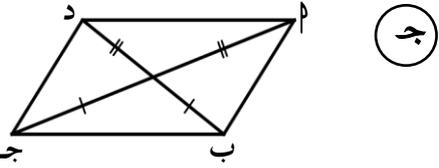
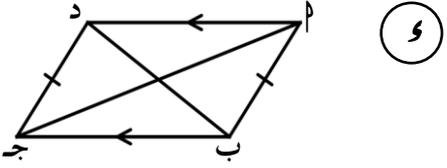
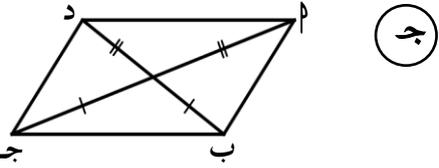
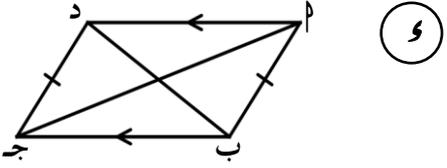
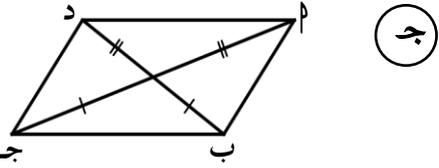
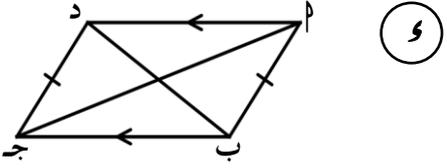
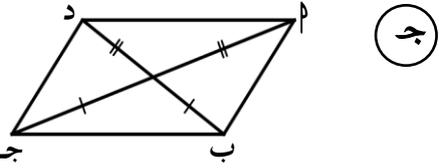
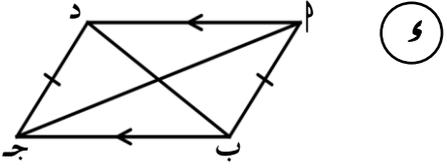
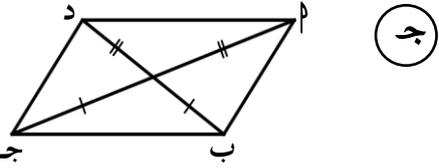
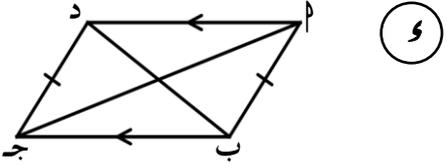
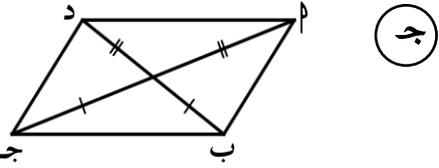
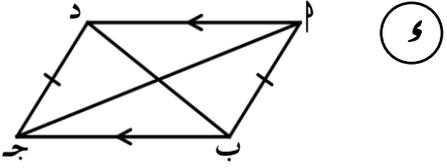
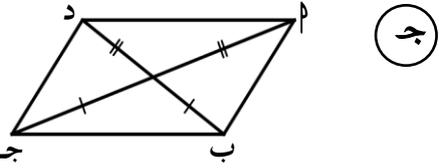
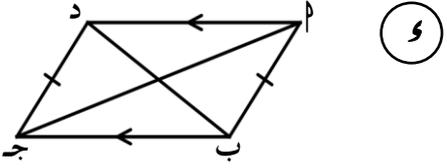
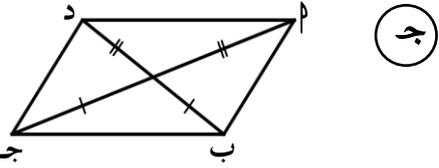
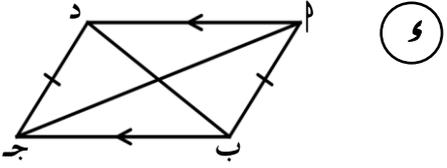
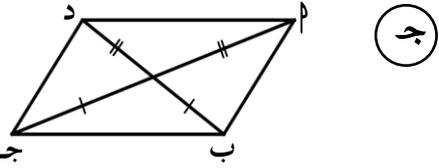
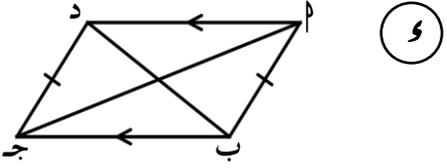
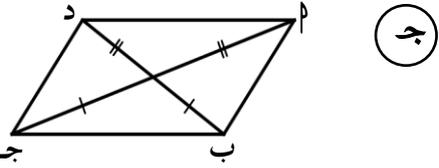
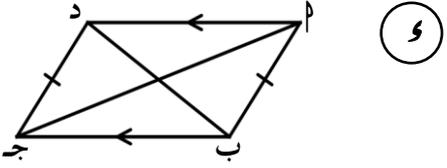
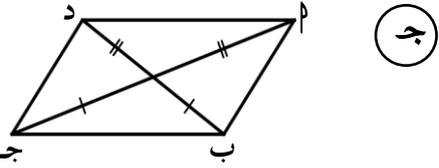
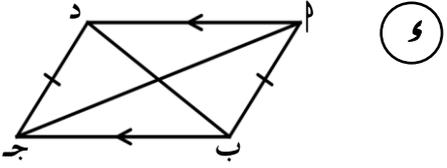
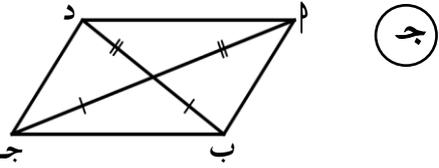
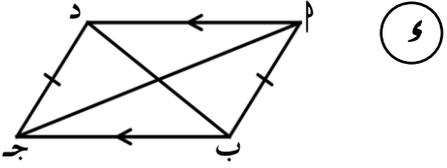
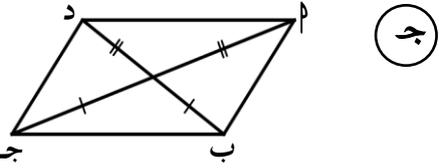
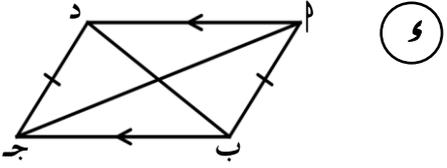
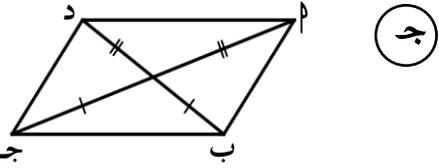
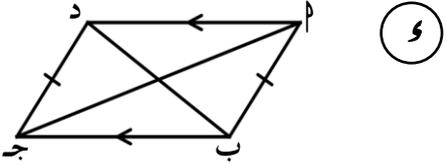
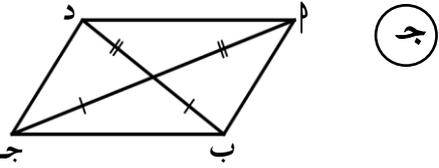
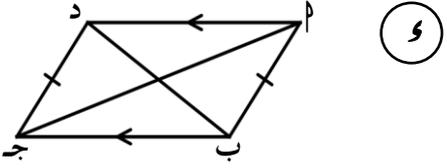
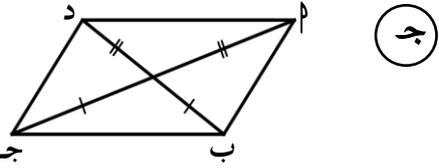
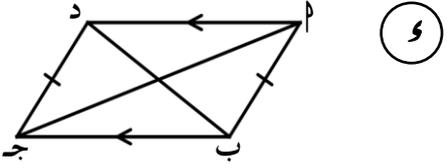
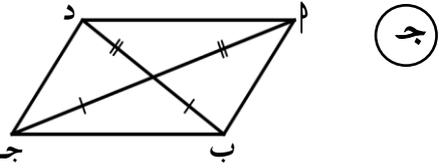
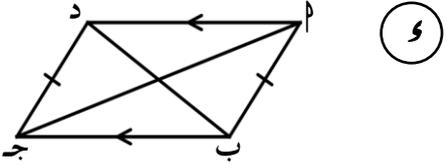
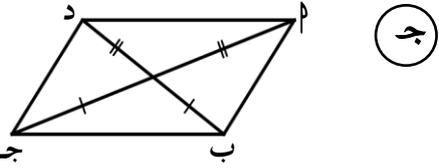
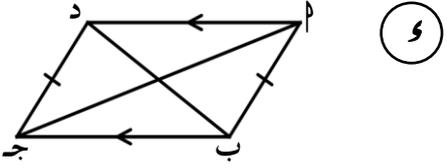
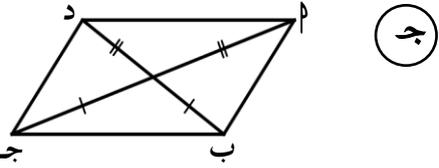
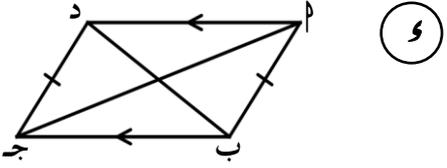
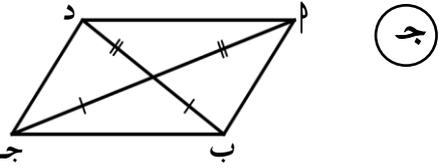
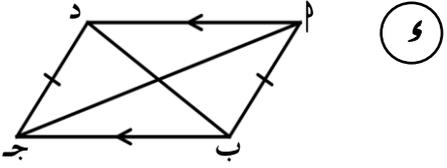
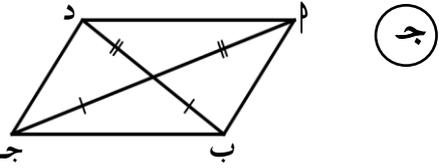
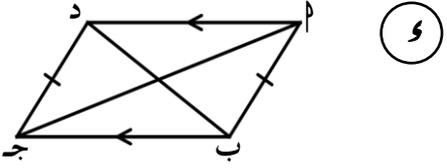
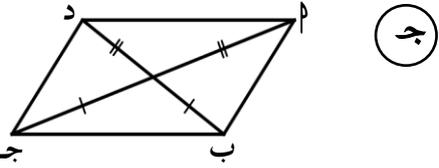
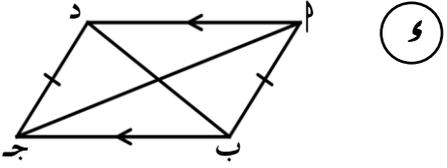
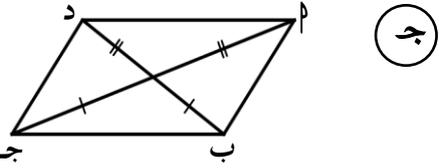
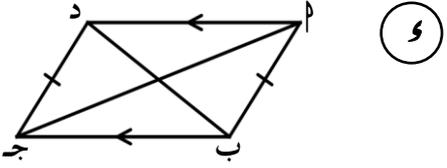
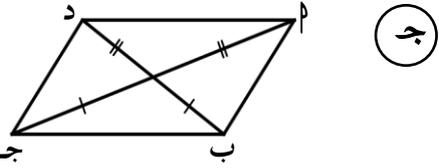
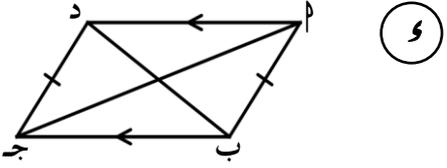
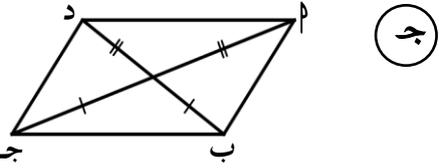
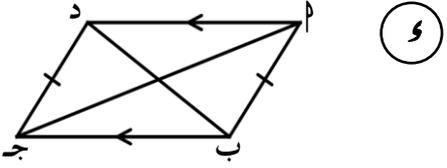
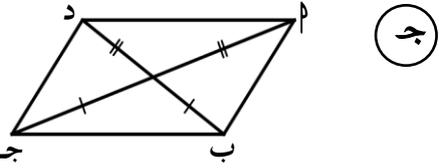
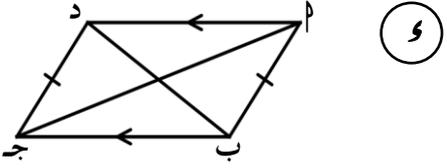
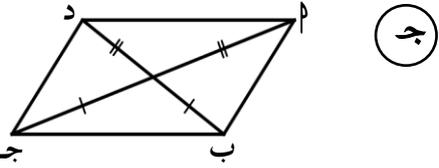
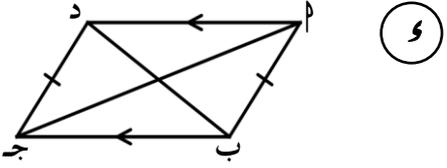
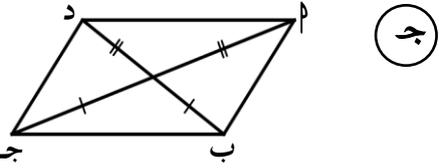
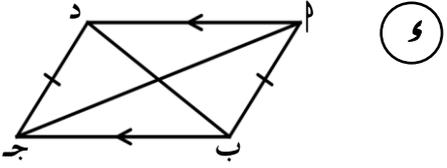
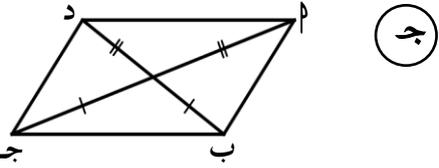
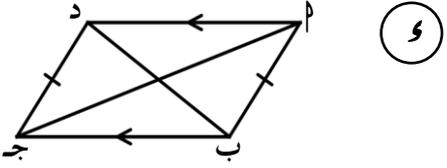
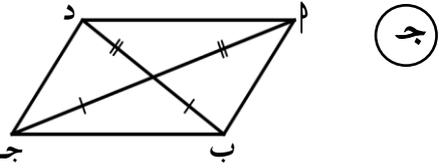
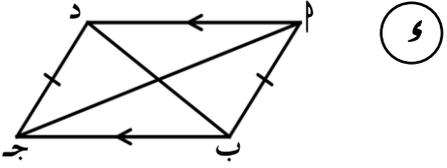
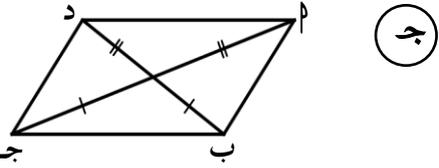
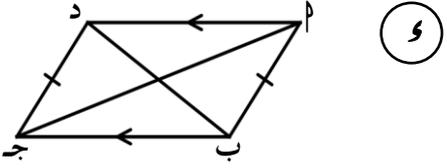
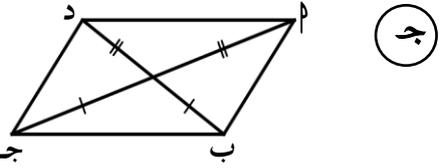
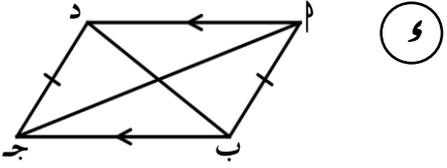
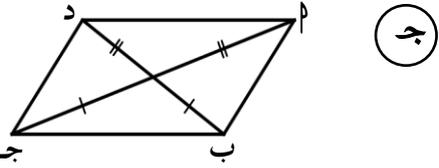
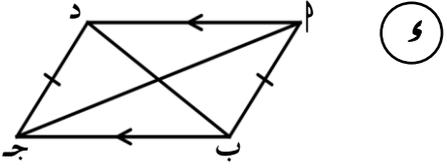
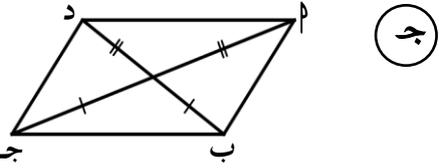
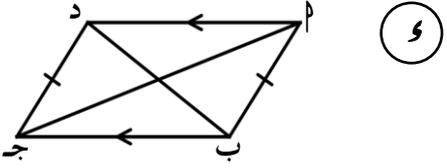
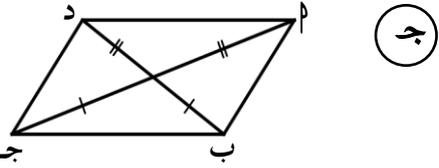
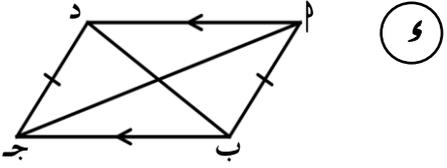
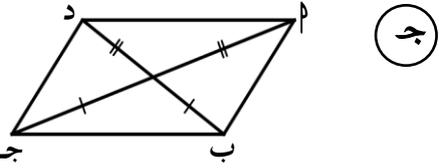
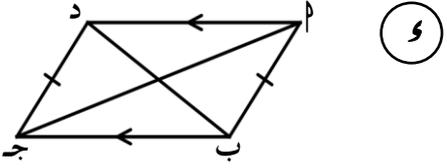
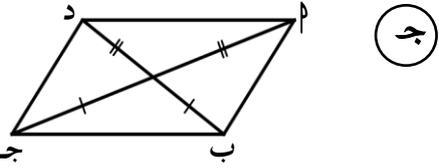
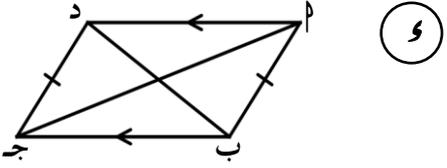
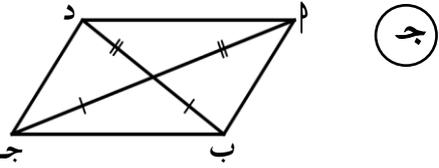
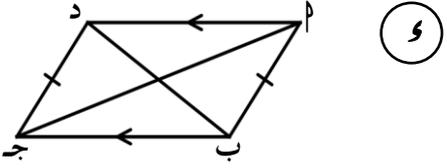
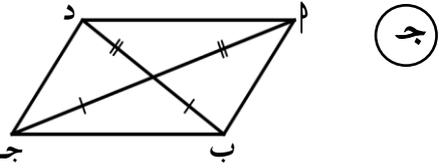
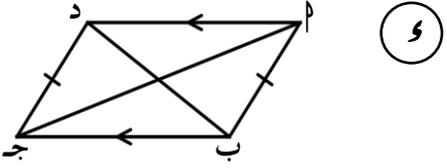
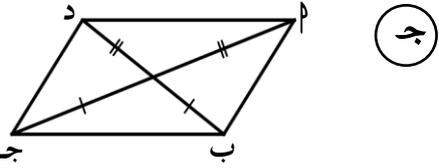
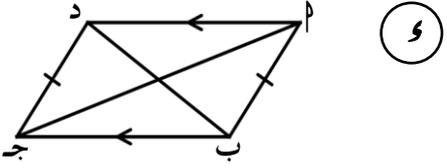
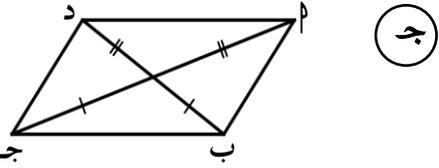
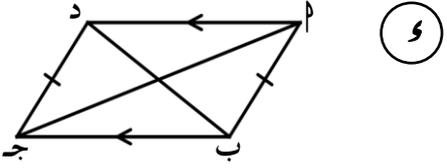
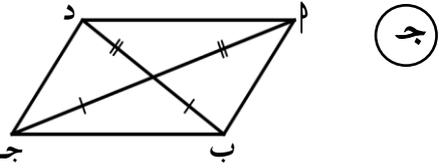
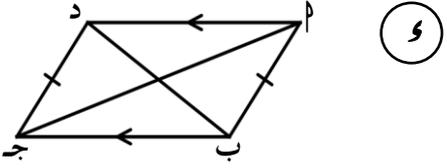
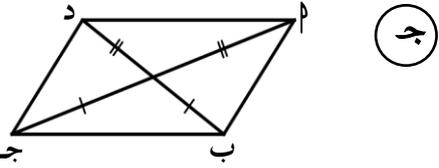
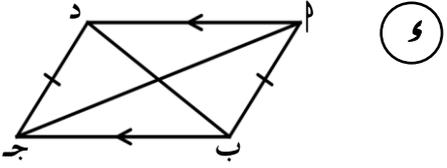
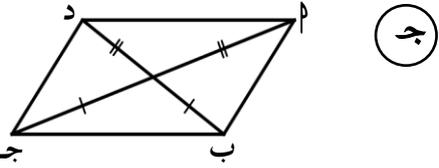
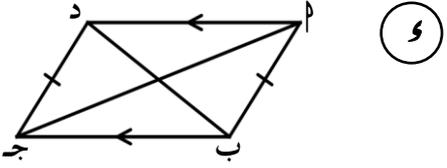
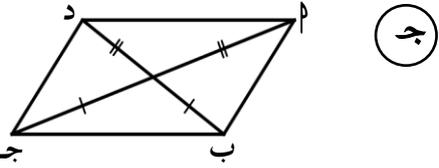
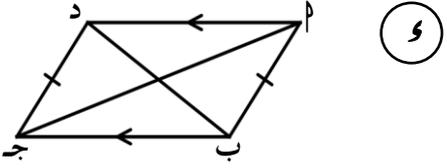
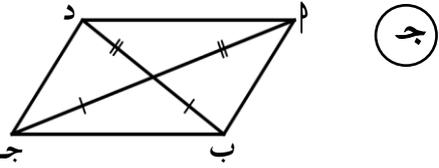
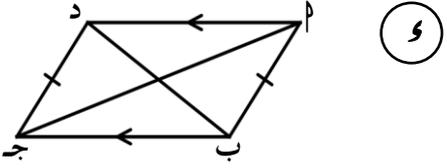
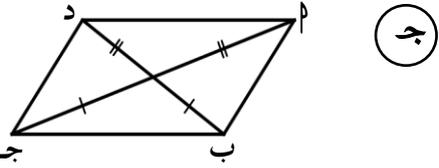
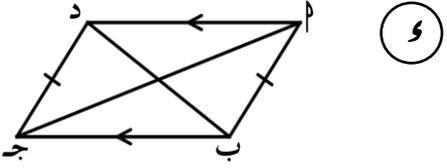
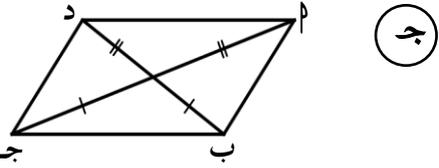
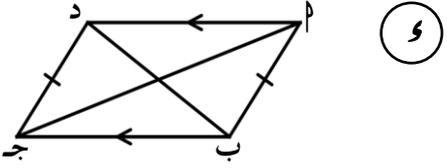
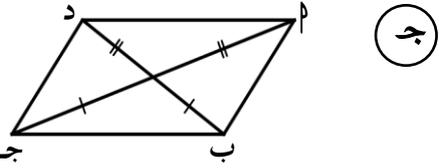
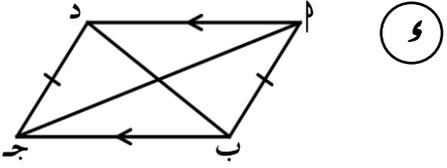
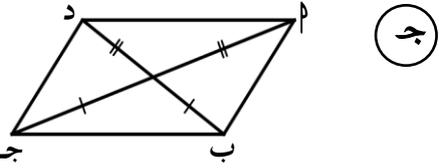
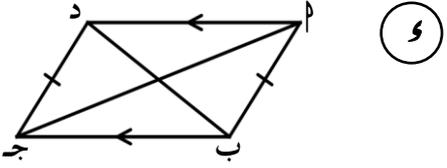
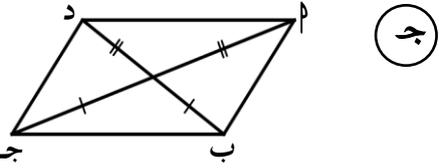
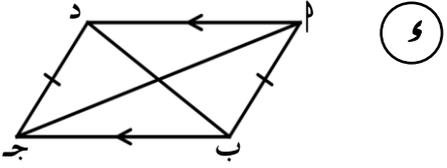
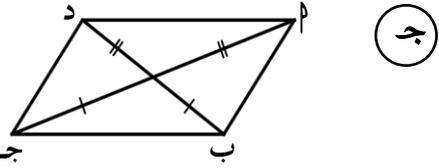
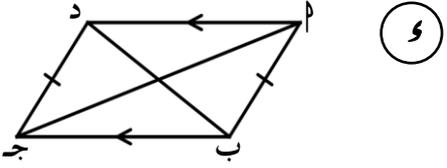
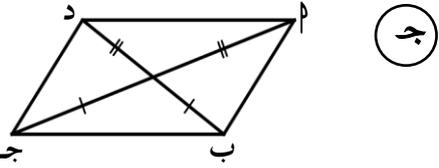
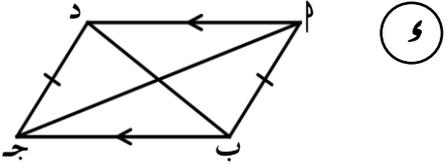
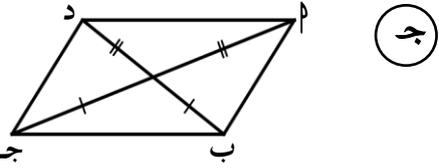
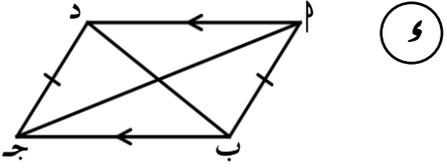
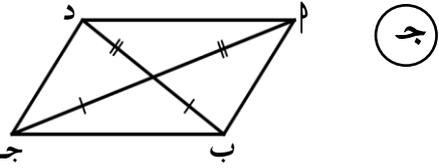
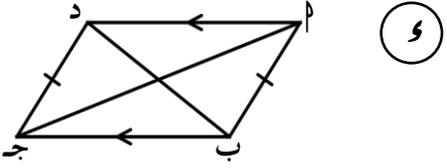
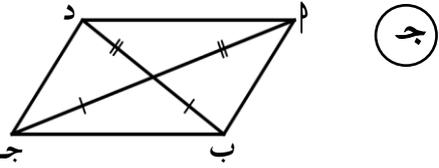
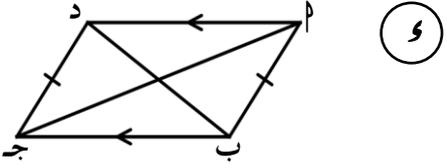
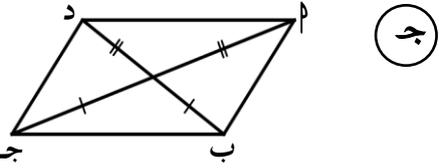
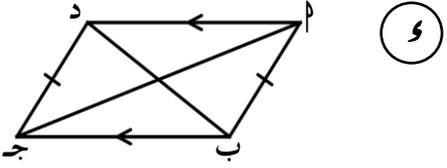
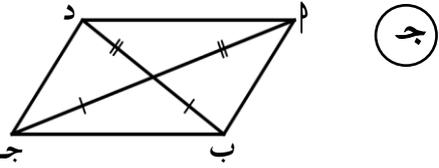
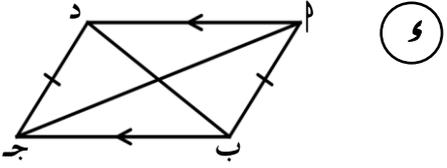
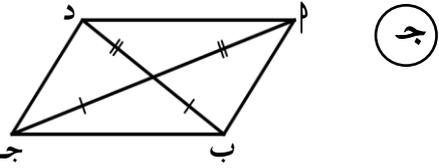
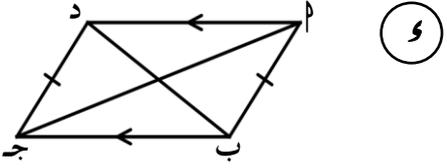
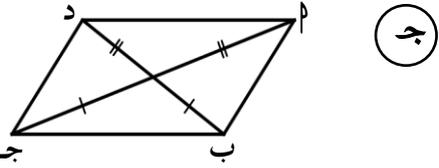
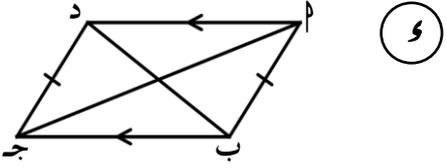
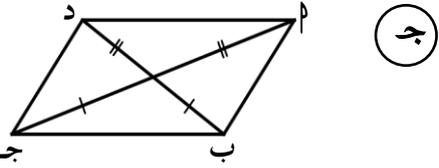
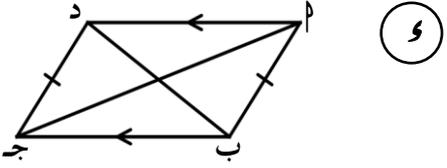
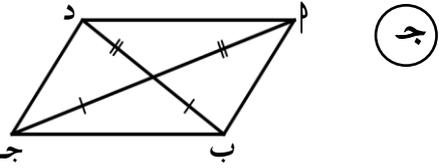
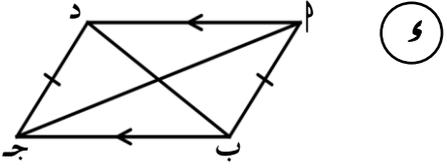
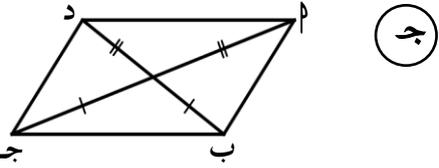
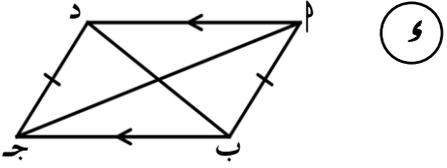
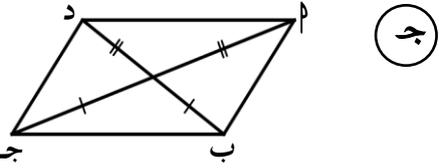
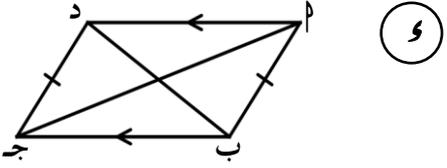
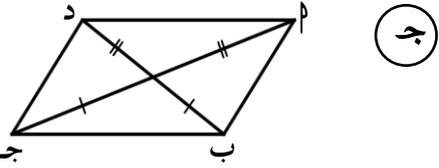
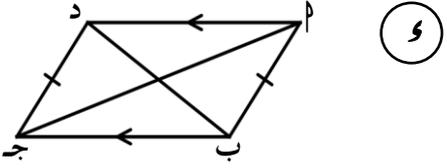
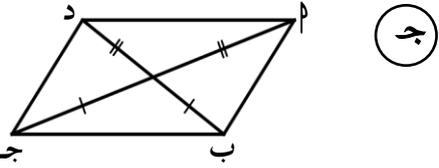
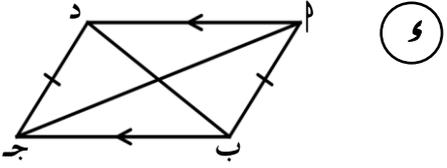
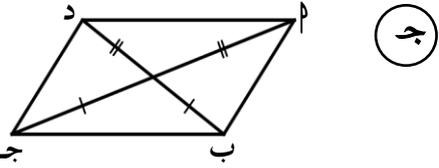
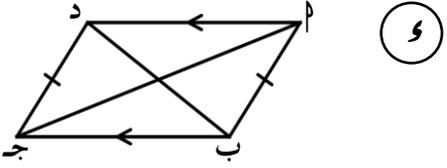
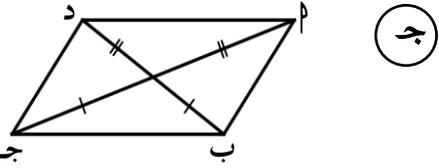
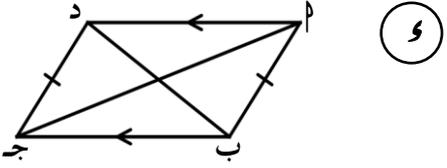
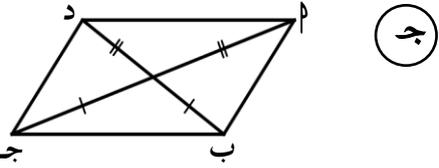
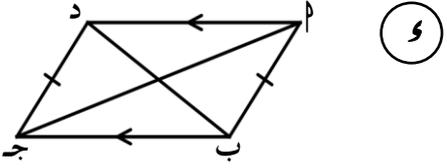
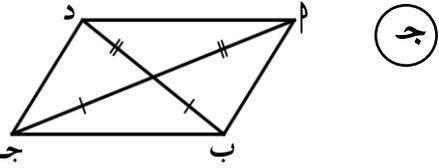
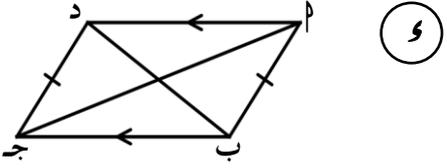
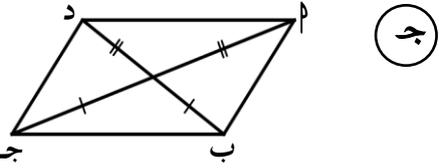
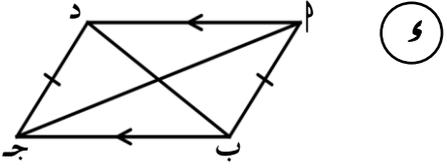
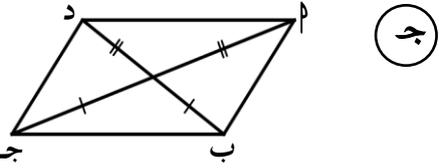
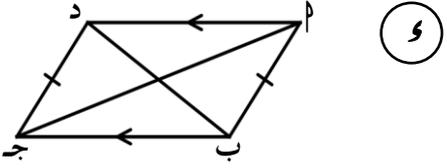
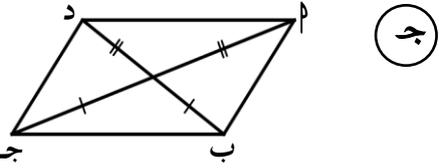
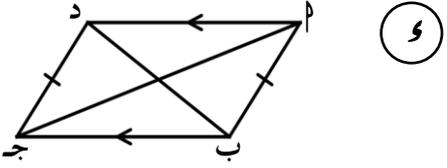
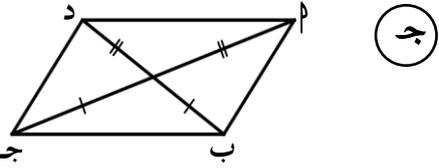
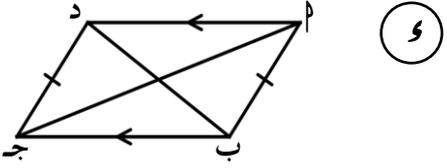
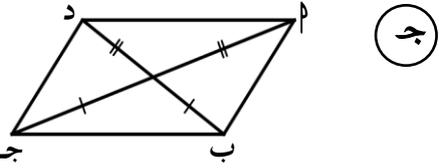
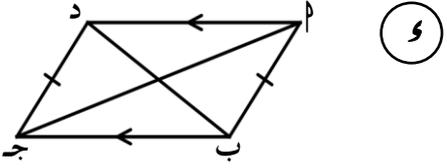
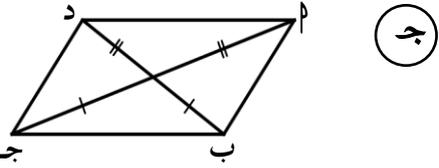
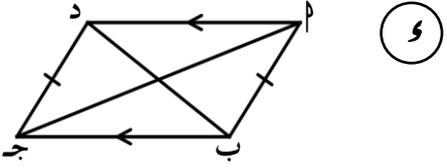
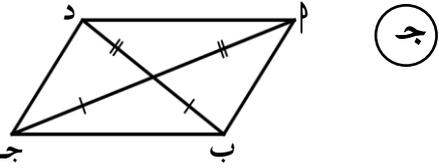
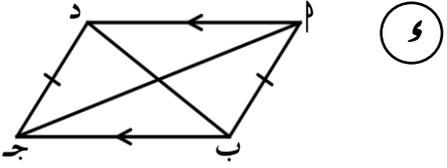
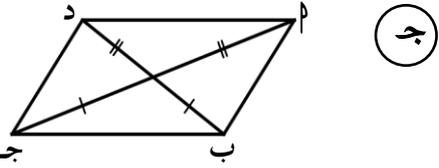
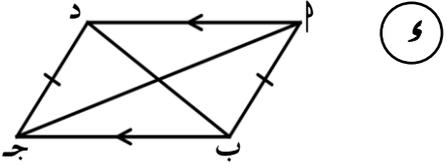
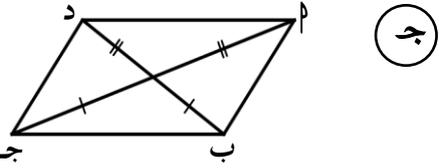
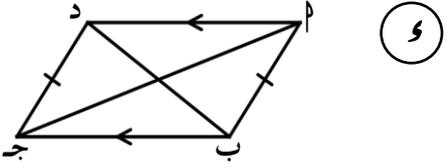
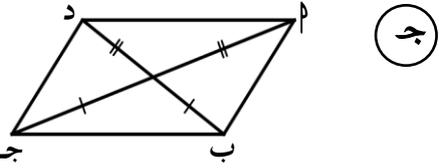
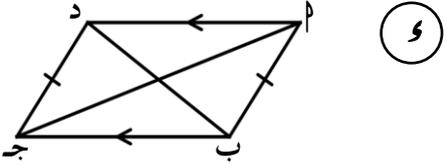
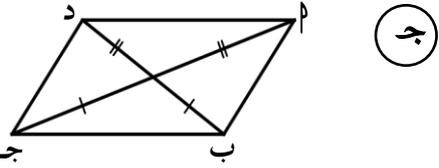
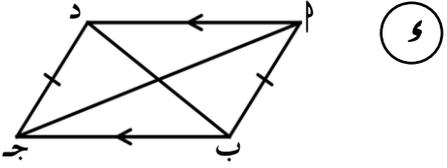
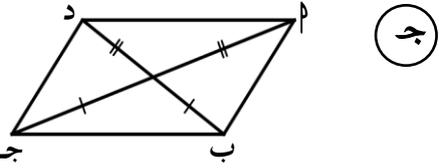
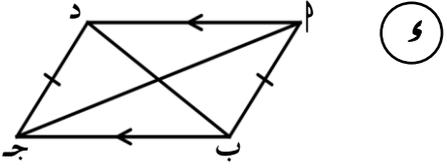
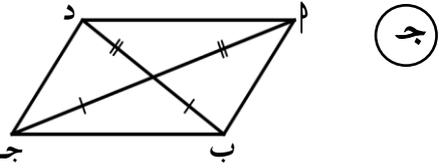
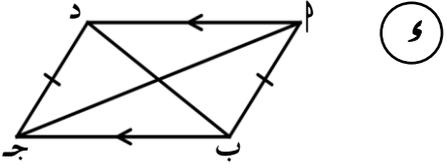
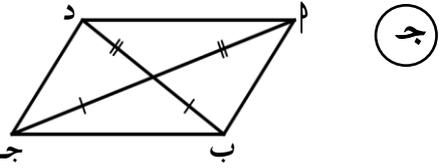
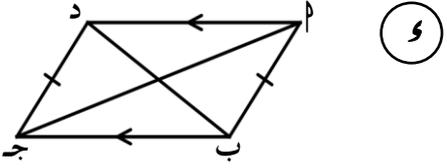
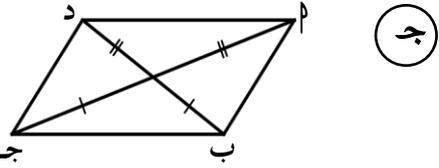
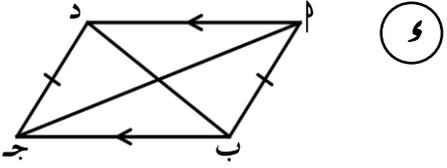
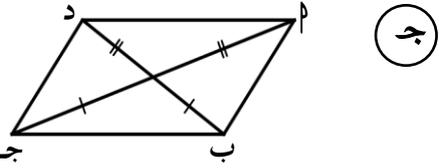
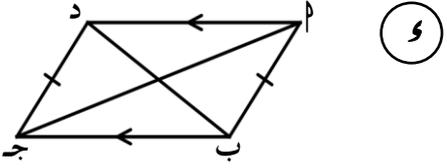
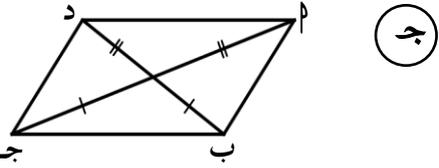
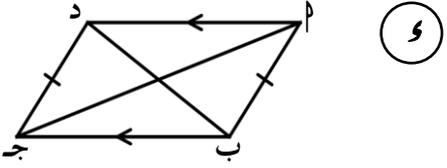
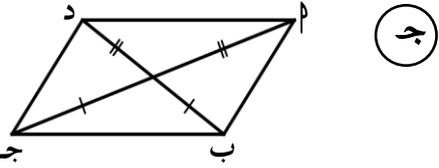
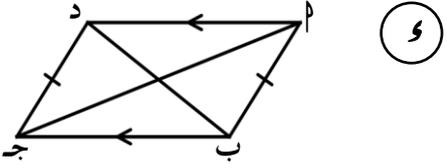
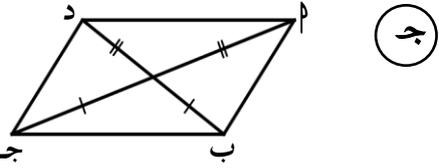
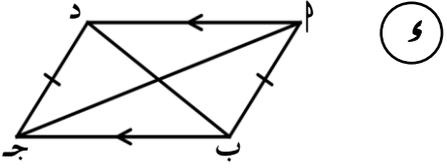
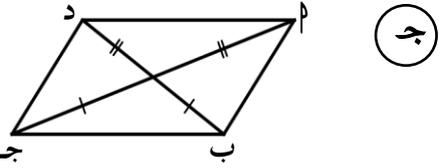
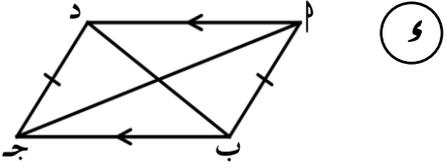
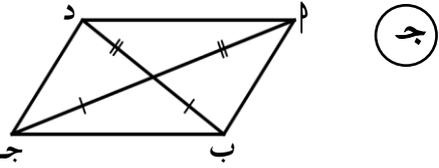
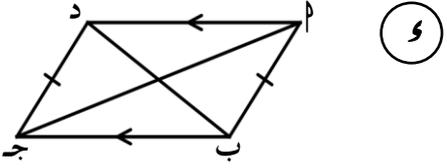
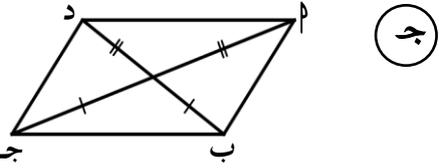
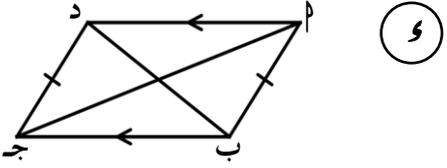
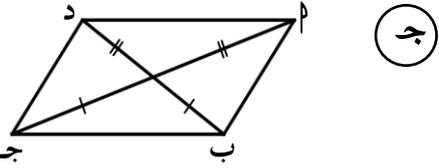
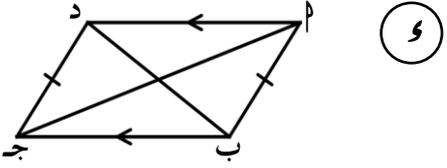
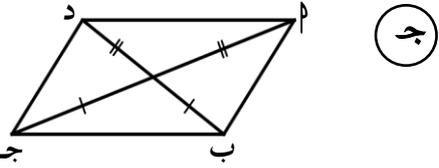
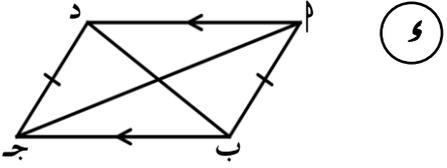
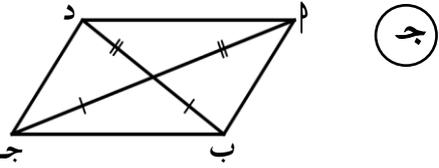
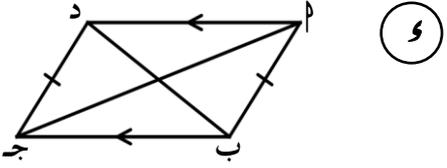
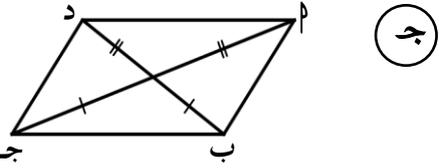
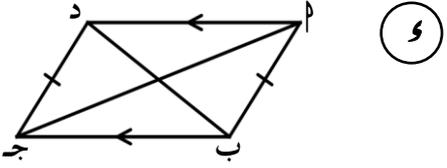
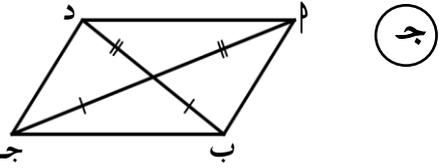
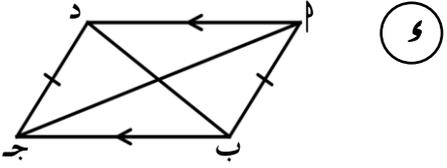
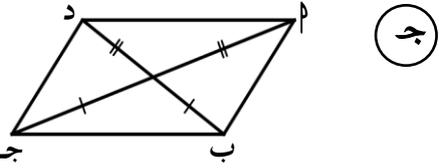
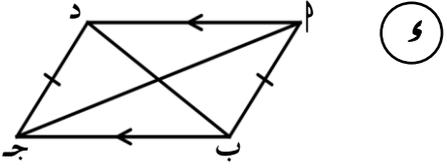
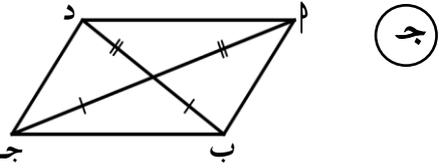
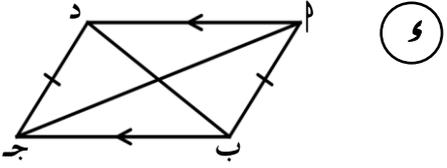
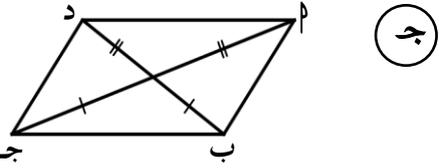
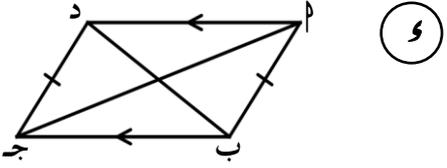
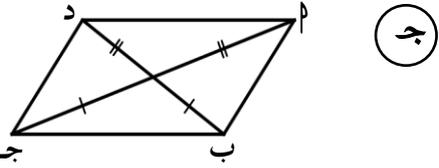
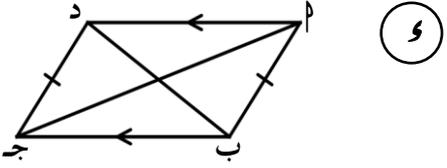
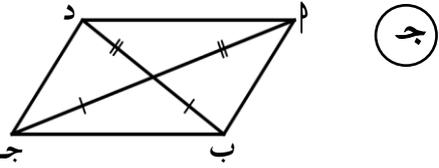
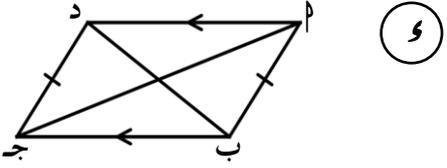
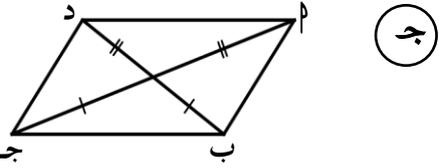
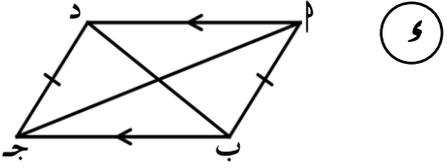
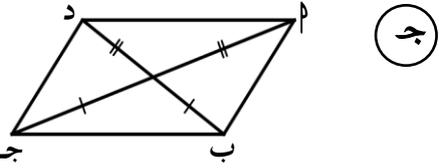
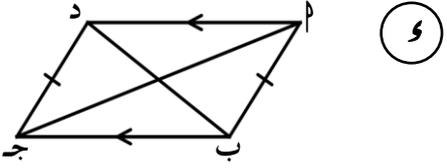
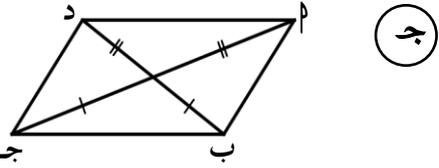
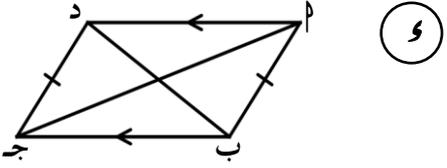
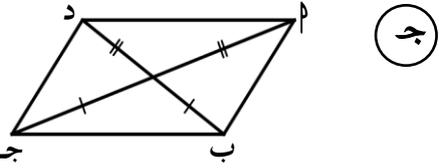
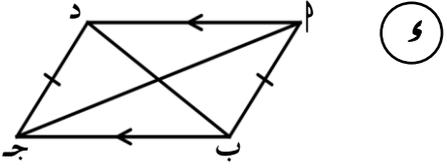
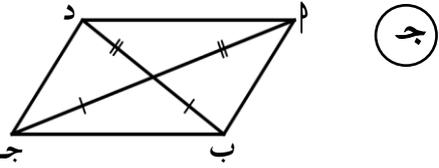
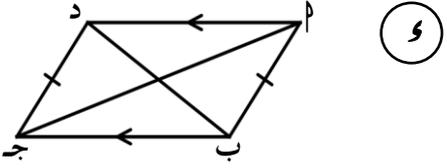
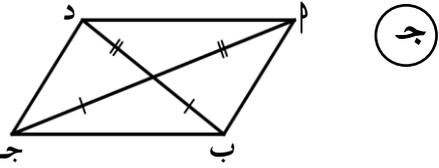
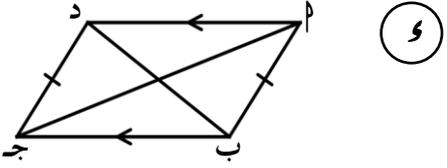
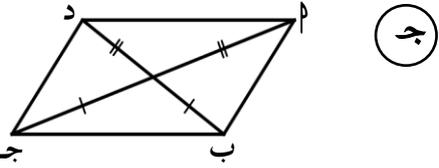
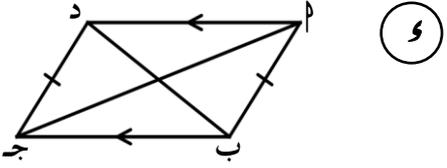
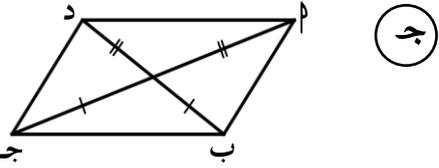
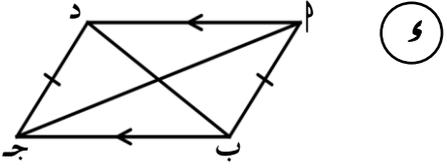
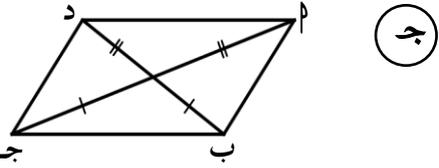
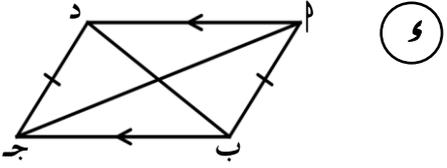
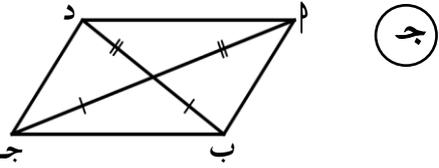
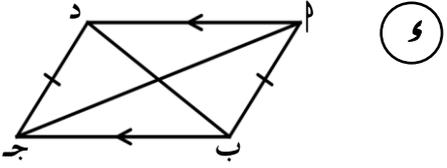
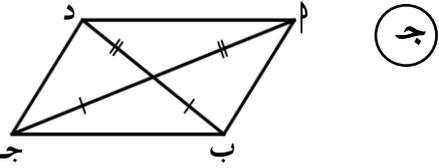
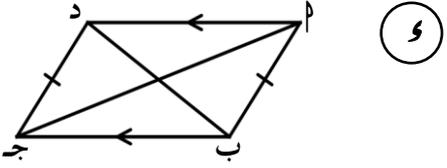
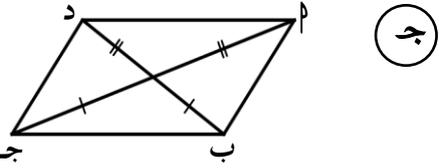
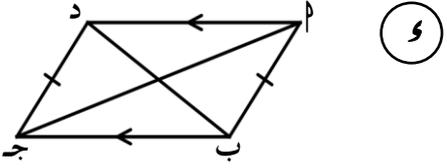
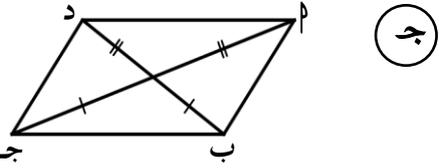
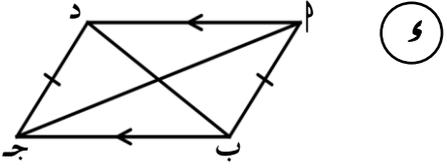
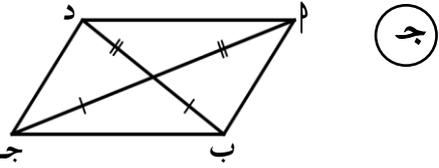
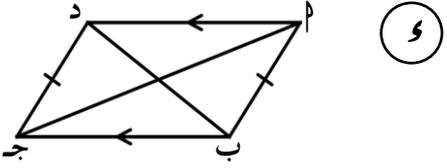
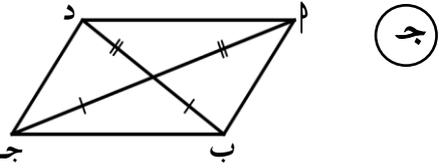
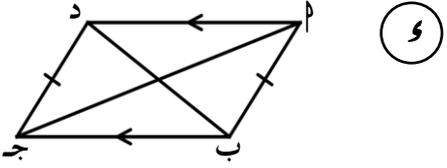
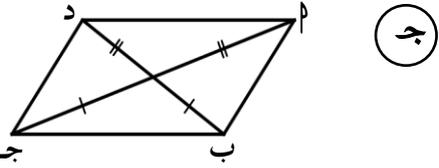
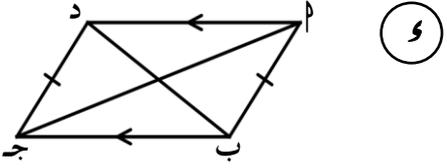
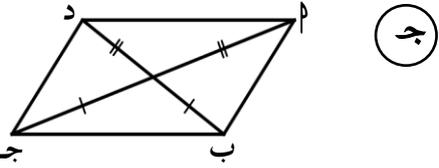
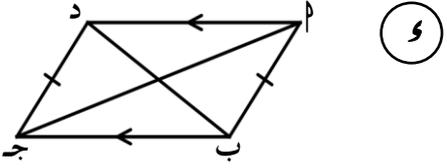
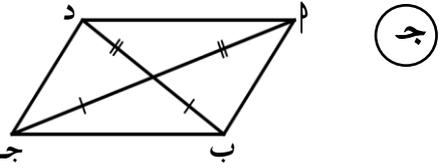
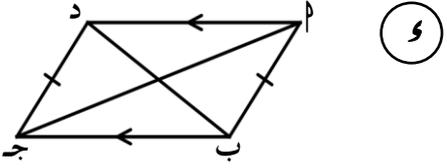
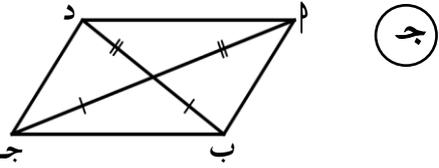
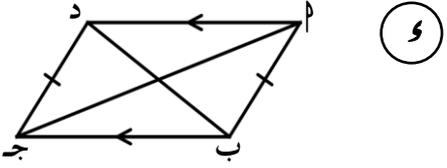
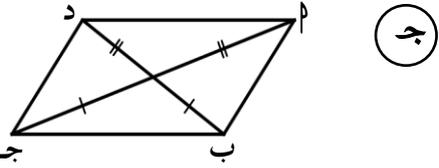
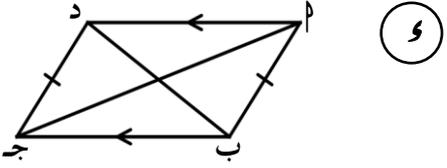
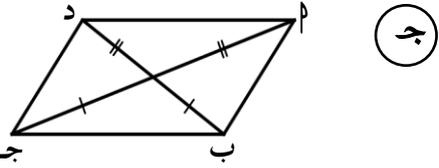
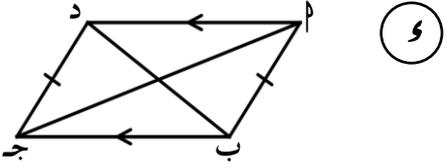
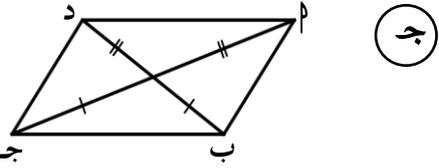
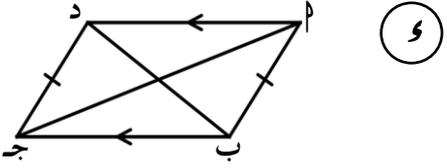
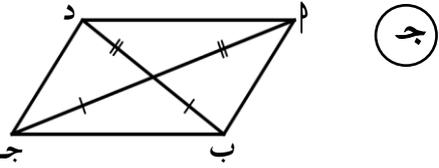
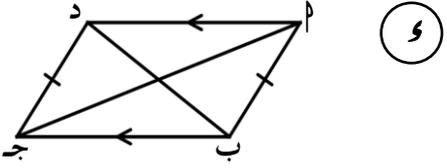
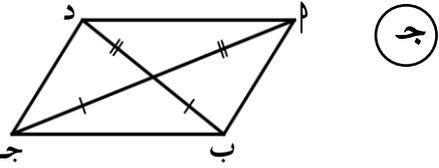
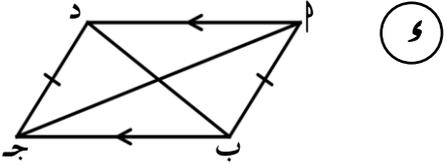
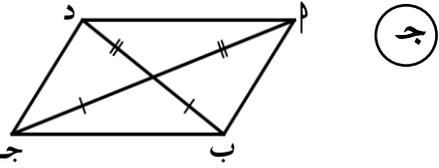
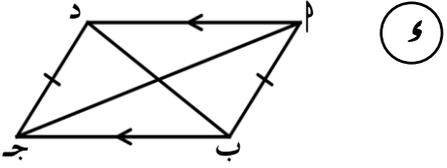
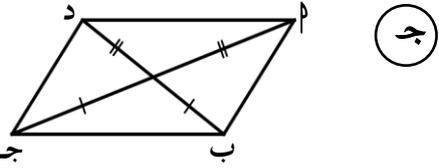
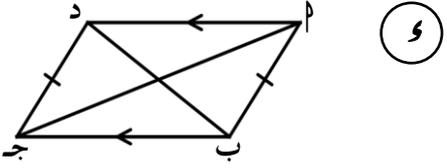
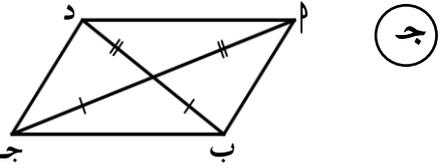
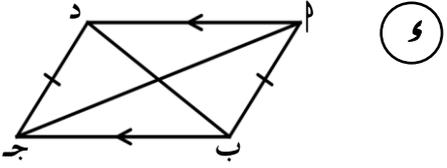
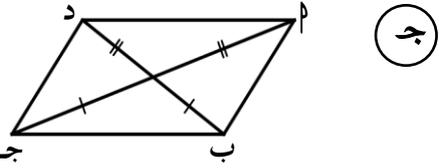
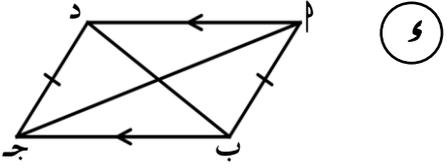
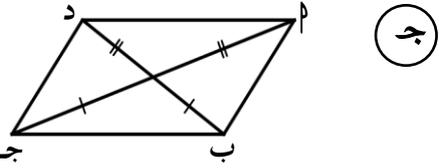
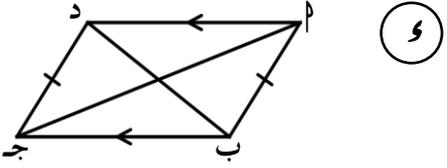
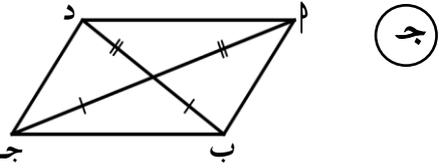
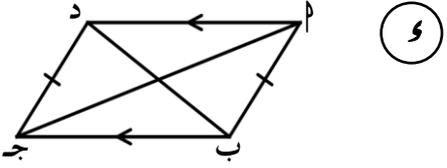
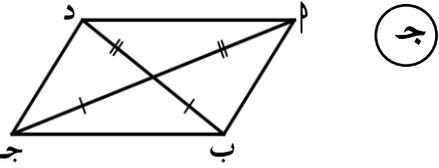
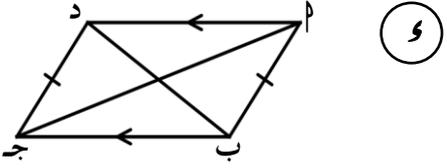
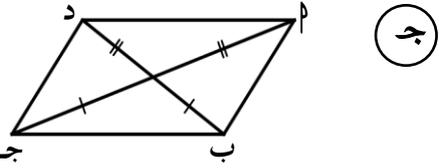
١٢

١	الشكل المقابل يمثل مستطيل		(ب) (١)
٢	$\frac{3}{5}$ س ص ^٣ ، ٠,٦ ص ^٣ س حدان جبريان متساويان		(ب) (١)
٣	العامل المشترك الأكبر للحدين ١٤ س ^٢ ص ، ٢١ س ص ^٣ هو ٧ س ص		(ب) (١)
٤	في الشكل المقابل قيمة س تساوي ٨		(ب) (١)

ثانياً: في البنود (٥ ← ١٢) لكل بند أربع اختيارات واحد فقط منها صحيح

ظلل دائرة الرمز الدال على الإجابة الصحيحة: -

٥	إذا كانت م' (٥- ، ٩) هي صورة النقطة م (٢ ، ٥) تحت تأثير إزاحة في المستوى الإحداثي ، فإن قاعدة هذه الإزاحة هي :	(ب) (٤- ص ، ٧+ س) ← (س ، ص) (ب) (٤+ ص ، ٧- س) ← (س ، ص)	(ج) (٧+ ص ، ٤+ س) ← (س ، ص) (د) (٧- ص ، ٤- س) ← (س ، ص)
٦	$= (٣ س - ٤ ص) - (٣ س + ٤ ص)$	(ب) ٦ س + ٨ ص (ب) ٦ س - ٨ ص (ب) ٦ س + ٨ ص (ب) ٦ س - ٨ ص	(ب) ٦ س + ٨ ص (ب) ٦ س - ٨ ص (ب) ٦ س + ٨ ص (ب) ٦ س - ٨ ص
٧	قيمة كثيرة الحدود ٢ س ^٤ - ٣ س ^٢ + ١ عندما س = -٢ هي :	(ب) ٢١ - (ب) ٢١ - (ب) ٢١ - (ب) ٢١ -	(ب) ٢١ - (ب) ٢١ - (ب) ٢١ - (ب) ٢١ -

<p>مخروط دائري مساحة قاعدته ١٥ وحدة مربعة وارتفاعه ٣ وحدة طول ، فإن جمعه يساوي:</p> <p>٨ <input type="radio"/> م ٤٥ وحدة مربعة <input type="radio"/> ب ١٥ وحدة مربعة <input type="radio"/> ج ١٨ وحدة مربعة <input type="radio"/> د ١٣٥ وحدة مربعة</p>	<p>٨</p>
<p>الشكل الذي يمثل متوازي أضلاع فيما يلي هو :</p> <p>٩ <input type="radio"/> م  <input type="radio"/> ب  <input type="radio"/> د  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب  <input type="radio"/> ج  <input type="radio"/> د  <input type="radio"/> ب	

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