

كل ما يحتاجه الطالب في جميع الصفوف من أوراق عمل واختبارات ومذكرات، يجده هنا في الروابط التالية لأفضل مواقع تعليمي إماراتي 100 %

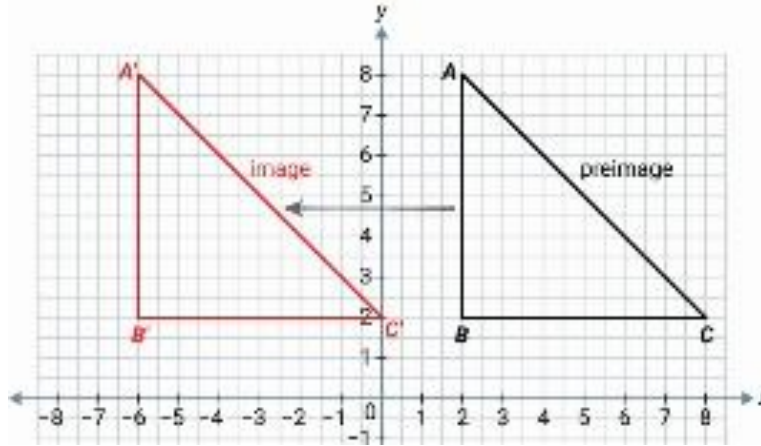
<u>تطبيق المناهج الإماراتية</u>	<u>الاجتماعيات</u>	<u>الرياضيات</u>
<u>الصفحة الرسمية على التلغرام</u>	<u>الاسلامية</u>	<u>العلوم</u>
<u>الصفحة الرسمية على الفيسبوك</u>	<u>الانجليزية</u>	
<u>التربية الاخلاقية لجميع الصفوف</u>	<u>اللغة العربية</u>	
<u>التربية الرياضية</u>		
مجموعات التلغرام.	مجموعات الفيسبوك	قنوات تلغرام
<u>الصف الأول</u>	<u>الصف الأول</u>	<u>الصف الأول</u>
<u>الصف الثاني</u>	<u>الصف الثاني</u>	<u>الصف الثاني</u>
<u>الصف الثالث</u>	<u>الصف الثالث</u>	<u>الصف الثالث</u>
<u>الصف الرابع</u>	<u>الصف الرابع</u>	<u>الصف الرابع</u>
<u>الصف الخامس</u>	<u>الصف الخامس</u>	<u>الصف الخامس</u>
<u>الصف السادس</u>	<u>الصف السادس</u>	<u>الصف السادس</u>
<u>الصف السابع</u>	<u>الصف السابع</u>	<u>الصف السابع</u>
<u>الصف الثامن</u>	<u>الصف الثامن</u>	<u>الصف الثامن</u>
<u>الصف التاسع عام</u>	<u>الصف التاسع عام</u>	<u>الصف التاسع عام</u>
<u>الصف التاسع متقدم</u>	<u>الصف التاسع متقدم</u>	<u>الصف التاسع متقدم</u>
<u>الصف العاشر عام</u>	<u>الصف العاشر عام</u>	<u>الصف العاشر عام</u>
<u>الصف العاشر متقدم</u>	<u>الصف العاشر متقدم</u>	<u>الصف العاشر متقدم</u>
<u>الحادي عشر عام</u>	<u>الحادي عشر عام</u>	<u>الحادي عشر عام</u>
<u>الحادي عشر متقدم</u>	<u>الحادي عشر متقدم</u>	<u>الحادي عشر متقدم</u>
<u>ثاني عشر عام</u>	<u>الثاني عشر عام</u>	<u>الثاني عشر عام</u>
<u>ثاني عشر متقدم</u>	<u>الثاني عشر متقدم</u>	<u>الثاني عشر متقدم</u>

Revision Test # 4 Term 2

Translation, Reflection, Rotation, Dilation, Similar Triangles and Indirect Measurement

Name: _____ class : 8 / _____ Date: _____

1) Describe the translation of the triangle ABC to the triangle A'B'C'.



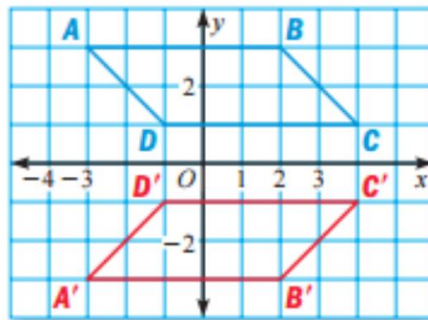
8 units to the right

8 units up

8 units down

8 units to the left

2) Identify the transformation



Reflection across y-axis

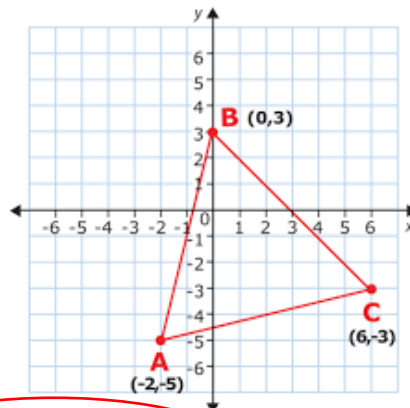
Reflection across x-axis

Translation 2 units down

180° Rotation

3) Triangle ABC is going to be translated.

Where would B' position be at, if the translation was be $(x,y) \rightarrow (x+3, y-2)$



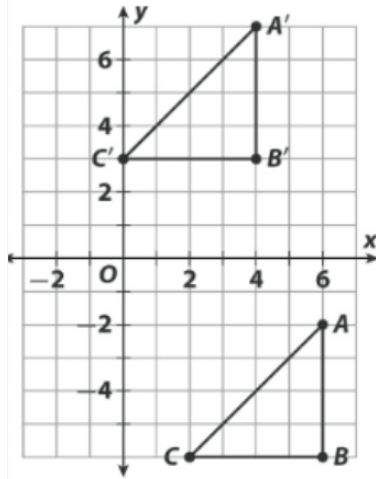
(-1,3)

(3,1)

(3,5)

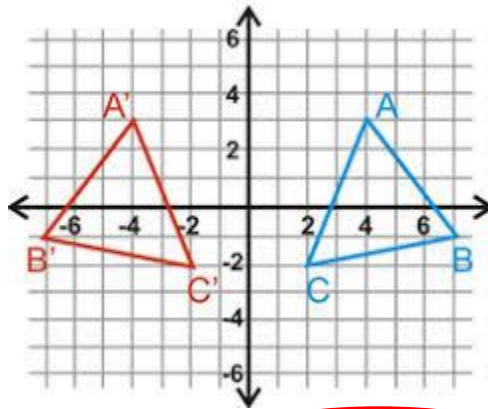
(5,8)

4) Determine how to translate triangle ABC to triangle A'B'C'.



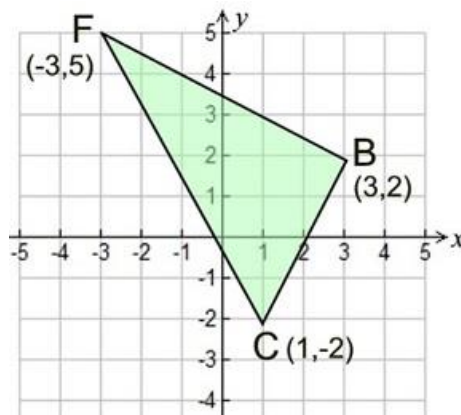
- | | | | |
|--------------|--------------|--------------|--------------|
| $(x-2, y-9)$ | $(x+2, y-9)$ | $(x-2, y+9)$ | $(x+2, y-5)$ |
|--------------|--------------|--------------|--------------|

5) Identify the transformation from ABC to A'B'C'.



- | | | | |
|------------------------|--------------------------------|------------------------------|------------------------------|
| 90° clockwise rotation | 90° counter clockwise rotation | Reflection across the y-axis | Reflection across the x-axis |
|------------------------|--------------------------------|------------------------------|------------------------------|

6) If you were to rotate BCF 180° about the origin, what would the coordinate of F' be?



- | | | | |
|-----------|-----------|------------|-----------|
| $(-5, 3)$ | $(-5, 5)$ | $(-3, -5)$ | $(3, -5)$ |
|-----------|-----------|------------|-----------|

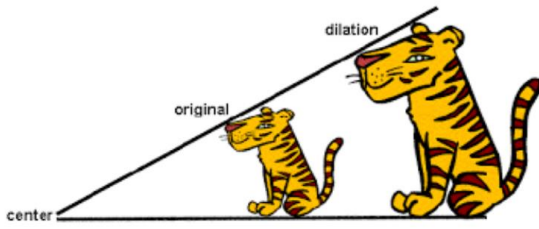
7) Reflect the point (2, -4) over the y-axis.

<input checked="" type="radio"/> (-2, -4)	<input type="radio"/> (-4, 2)	<input type="radio"/> (2, 4)	<input type="radio"/> (-2, 4)
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8) Reflect (6, -3) over the line x-axis.

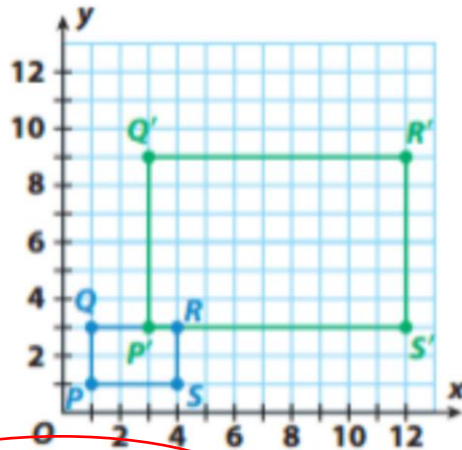
<input checked="" type="radio"/> (6, 3)	<input type="radio"/> (-3, 6)	<input type="radio"/> (3, -6)	<input type="radio"/> (-6, -3)
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9) Which rule would show a dilation with a scale factor of 4?



<input type="radio"/> $(x, y) \rightarrow (y, x)$	<input type="radio"/> $(x, y) \rightarrow (x + 4, y + 4)$	<input type="radio"/> $(x, y) \rightarrow (x, -y)$	<input checked="" type="radio"/> $(x, y) \rightarrow (4x, 4y)$
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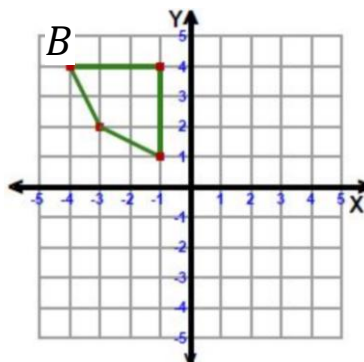
10) An office supply store sells index cards in two different sizes. The large size is an enlargement of the small size. Both sizes are shown. Find the scale factor of the enlargement.



<input type="radio"/> 2	<input checked="" type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5
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11) This shape is being reflected in the y-axis. The top left point (-4, 4) is point B.

Where would B' be located at?

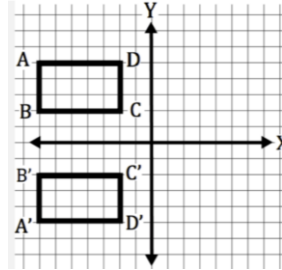


<input checked="" type="radio"/> (4, 4)	<input type="radio"/> (-4, 4)	<input type="radio"/> (4, 1)	<input type="radio"/> (3, 2)
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12) A turn is also called a _____.

Translation	Rotation	Reflection	Transformation
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13) Identify the transformation from ABCD to A'B'C'D'.



90° clockwise rotation	90° counter clockwise rotation	Translation	Reflection across the x-axis
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14) Triangle ABC has coordinates A(-3, -2), B(-3, -5), and C(-7, -6).

- Find and graph the coordinates of A'B'C' after a reflection of ABC across the x-axis
- Find and graph the coordinates of A''B''C'' after a 90° clockwise rotation of A'B'C' around the origin.

$$A'(-3, 2)$$

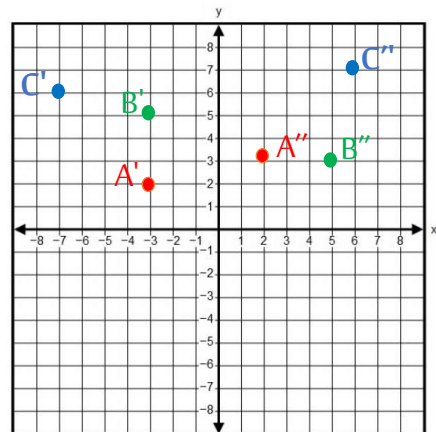
$$A''(2, 3)$$

$$B'(-3, 5)$$

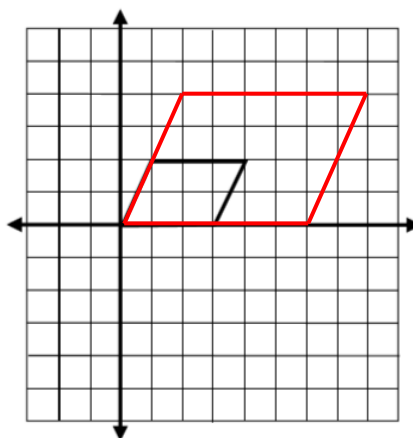
$$B''(5, 3)$$

$$C'(-7, 6)$$

$$C''(6, 7)$$



15) Dilate the parallelogram below from the origin using scale factor of 2.



15)

a- $\triangle PQR \sim \triangle DEF$. Find x .

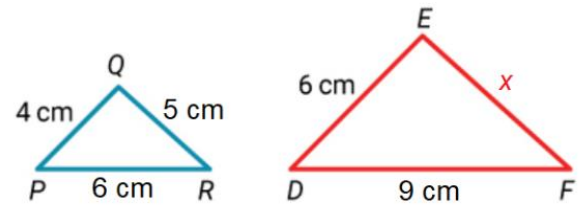
$$\frac{EF}{QR} = \frac{ED}{QP}$$

$$\frac{x}{5} = \frac{6}{4}$$

$$4x = 5 \times 6$$

$$x = \frac{30}{4}$$

$$x = 7.5 \text{ cm}$$



b- The shadow of a 7 m long tree is 8.4 m long.

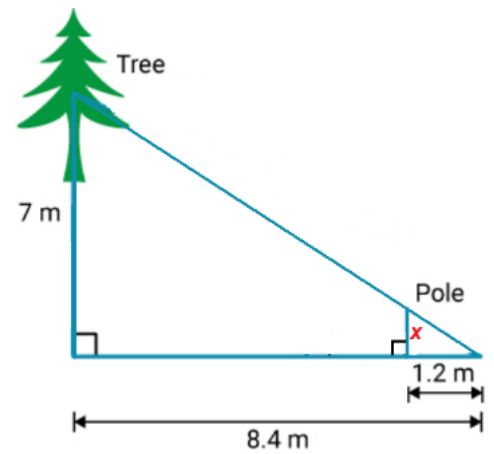
The shadow of a pole is 1.2 m in length. Find the height x of the pole.

$$\frac{x}{7} = \frac{1.2}{8.4}$$

$$8.4x = 7 \times 1.2$$

$$x = \frac{8.4}{8.4}$$

$$x = 1 \text{ m}$$



c- $\triangle ACB \sim \triangle ECD$, Find the value of x .

$$\frac{x}{6} = \frac{12}{4}$$

$$\frac{x}{6} = 3$$

$$x = 6 \times 3$$

$$x = 18 \text{ cm}$$

