

شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية



اختبار ومراجعة للفصل مع الحل

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف الثامن](#) ← [رياضيات](#) ← [الفصل الثاني](#) ← [الملف](#)

التواصل الاجتماعي بحسب الصف الثامن



روابط مواد الصف الثامن على تلغرام

[الرياضيات](#)

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المزيد من الملفات بحسب الصف الثامن والمادة رياضيات في الفصل الثاني

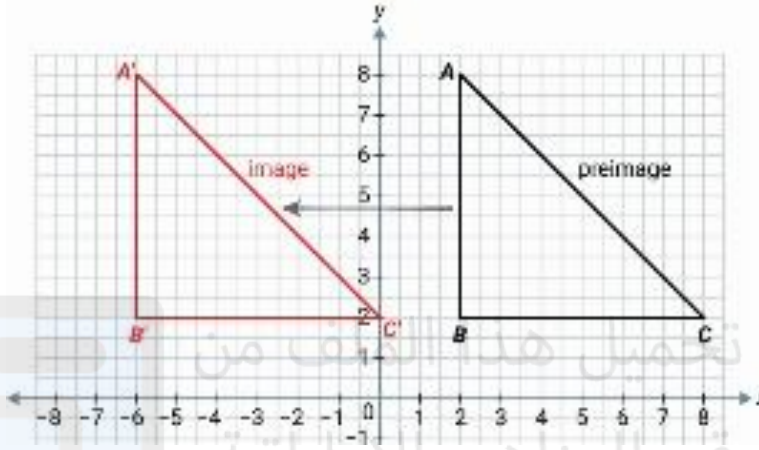
الخطة الفصلية المسار العام - بريدج	1
دليل تصحيح أسئلة الامتحان الورقي - بريدج	2
دليل تصحيح أسئلة الامتحان الورقي - ريفيل	3
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Revision Test # 4 Term 2

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

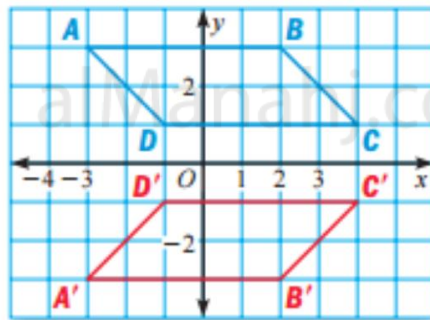
Name: _____ class : 8 / _____ Date: _____

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

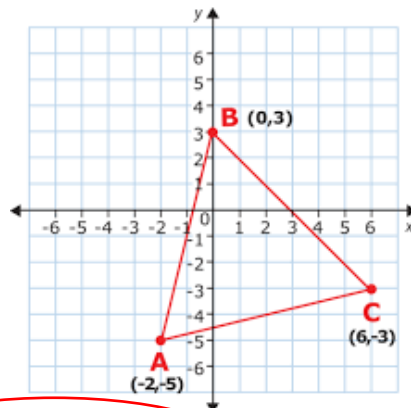
2) Identify the transformation



- Reflection across y-axis
- Reflection across x-axis
- Translation 2 units down
- 180° Rotation

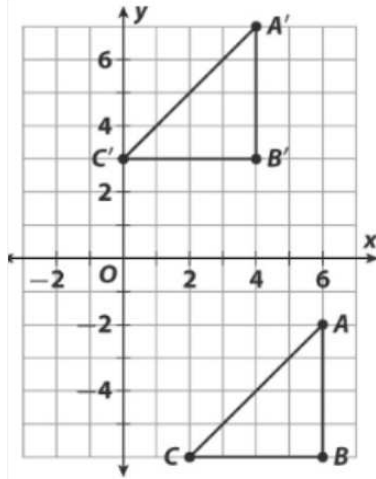
3) Triangle ABC is going to be translated.

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



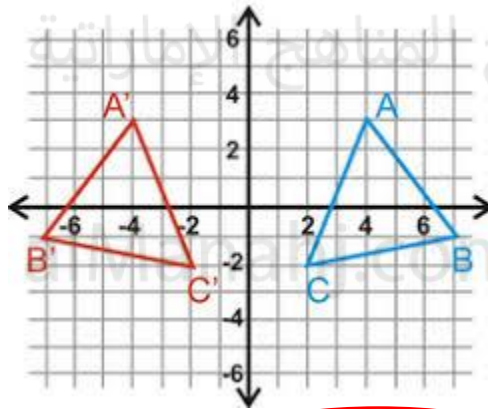
- (-1,3)
- (3,1)
- (3,5)
- (5,8)

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



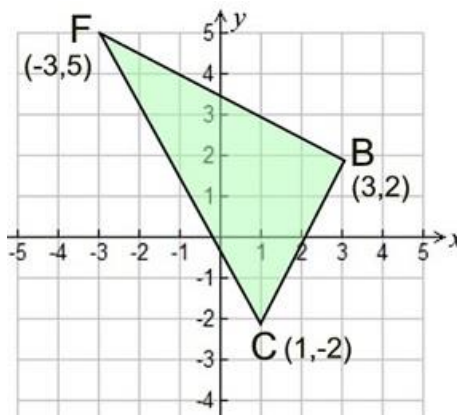
- | | | | |
|--------------|--------------|--------------|--------------|
| $(x-2, y-9)$ | $(x+2, y-9)$ | $(x-2, y+9)$ | $(x+2, y-5)$ |
|--------------|--------------|--------------|--------------|

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?



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

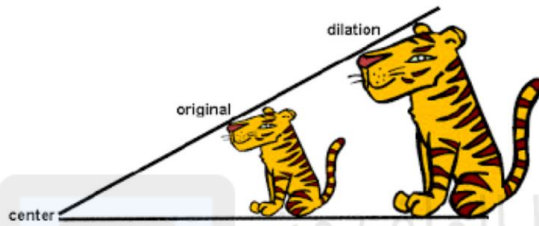
7) Reflect the point (2, -4) over the y-axis.

(-2, -4)	(-4, 2)	(2, 4)	(-2, 4)
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8) Reflect (6, -3) over the line x-axis.

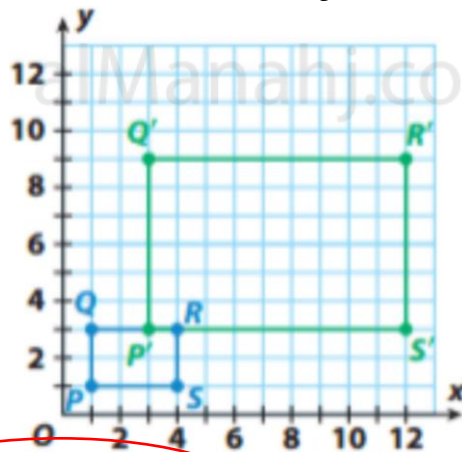
(6, 3)	(-3, 6)	(3, -6)	(-6, -3)
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9) Which rule would show a dilation with a scale factor of 4?



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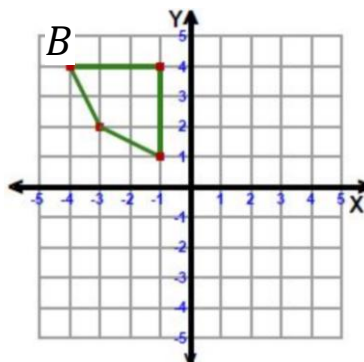
10) An office supply store sells index cards in two different sizes. The large size is an enlargement of the small size. Both sizes are shown. Find the scale factor of the enlargement.



2	3	4	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?

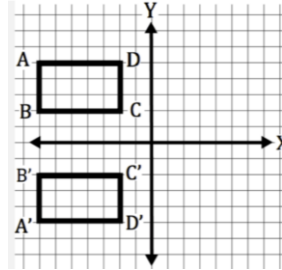


(4, 4)	(-4, 4)	(4, 1)	(3, 2)
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12) A turn is also called a _____.

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.

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

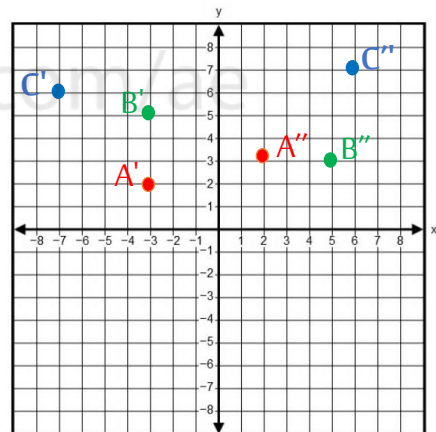
$$A''(2, 3)$$

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

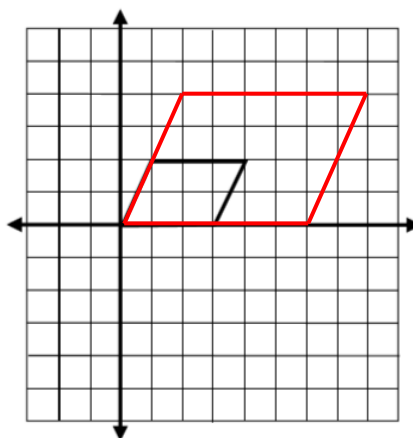
$$B''(5, 3)$$

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

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



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



15)

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

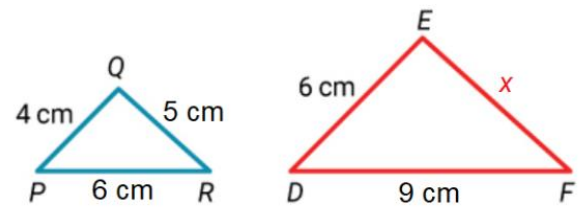
$$\frac{EF}{QR} = \frac{ED}{QP}$$

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

$$4x = 5 \times 6$$

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

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



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

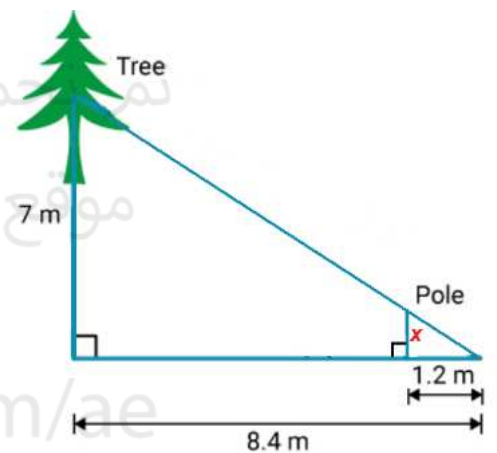
The shadow of a pole is 1.2 m in length. Find the height x of the pole.

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

$$8.4x = 7 \times 1.2$$

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

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



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

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

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

$$x = 6 \times 3$$

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

