



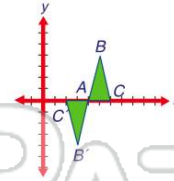
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 What are the coordinates  $(-5, 3)$ ,  $(-5, 1)$ ,  $(-1, 2)$  after a **translation** of **3** units to the **right** and **2** units **up**?

- A  $(5, -2), (3, -2), (4, 2)$
- B  $(3, 1), (-2, 3), (3, 3)$
- C  $(-5, 1), (-2, 3), (2, 4)$
- D  $(-2, 5), (-2, 3), (2, 4)$

2 The figure shown represents a counter-clockwise **rotation** of \_\_\_\_\_ about **point A**.

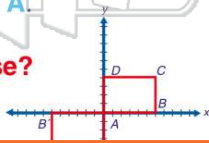
- A  $45^\circ$
- B  $90^\circ$
- C  $180^\circ$
- D  $270^\circ$



3 The figure shown represents a counter-clockwise **rotation** of  $90^\circ$  about **point A**.

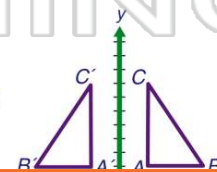
True or false?

A true



4 The figure shown represents a \_\_\_\_\_

- A  $90^\circ$  rotation
- B translation
- C  $180^\circ$  rotation
- D reflection



5



## PREVIEW

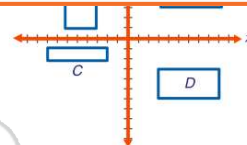
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- B 2
- C 1
- D 0



- B Figure B
- C Figure C
- D Figure D

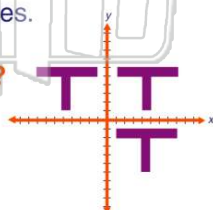


9

The figure shown represents the T shape in Quadrant I as it is **reflected** in the **x** and **y**-axes.

True or false?

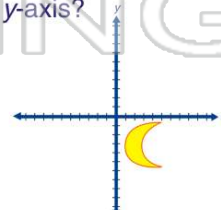
- A true
- B false



10

In what Quadrant would the **reflection** of the figure shown be in, if the figure was reflected in the **y**-axis?

- A Quadrant I
- B Quadrant II
- C Quadrant III
- D Quadrant IV





## ANSWER KEY

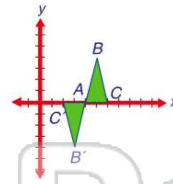
What are the coordinates **(-5, 3)**, **(-5, 1)**, **(-1, 2)** after a **translation** of **3** units to the **right** and **2** units **up**?

- A** (5, -2), (3, -2), (4, 2)
- B** (3, 1), (-2, 3), (3, 3)
- C** (-5, 1), (-2, 3), (2, 4)
- D** (-2, 5), (-2, 3), (2, 4)

(d)

The figure shown represents a counter-clockwise **rotation** of \_\_\_\_\_ about **point A**.

- A** 45°
- B** 90°
- C** 180°
- D** 270°

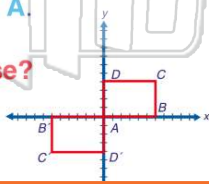


(c)

The figure shown represents a counter-clockwise **rotation** of **90°** about **point A**.

**True or false?**

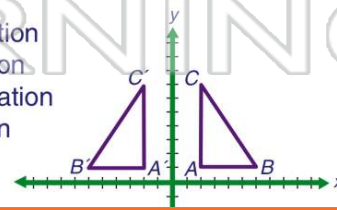
- A** true
- B** false



(b)

The figure shown **represents** a \_\_\_\_\_

- A** 90° rotation
- B** translation
- C** 180° rotation
- D** reflection



(d)



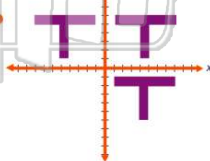
## PREVIEW

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The figure shown represents the T shape in Quadrant I as it is **reflected** in the x and y-axes.

**True or false?**

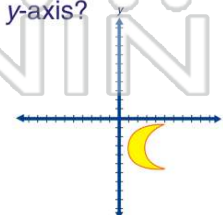
- A** true
- B** false



(b)

In what Quadrant would the **reflection** of the figure shown be in, if the figure was reflected in the y-axis?

- A** Quadrant I
- B** Quadrant II
- C** Quadrant III
- D** Quadrant IV



(c)