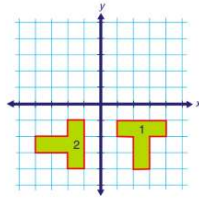




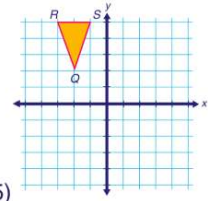
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Figure #1 is rotated to figure #2. What is the angle and direction of the rotation?



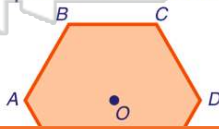
- A 60° clockwise
- B 90° counter-clockwise
- C 90° clockwise
- D 60° counter-clockwise

2 Triangle  $QRS$  shown is rotated 180° clockwise. What are the coordinates of the new figure?



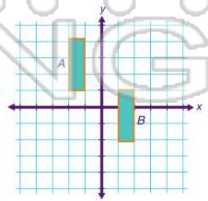
- A  $Q'(2, 2), R'(3, 5), S'(1, 5)$
- B  $Q'(-2, -2), R'(-3, -5), S'(-1, -5)$
- C  $Q'(2, 2), R'(5, 3), S'(5, 1)$
- D  $Q'(2, -2), R'(3, -5), S'(1, -5)$

3 For the figure shown, if point  $A$  is rotated 60° counter-clockwise about point  $O$ , which point would it become?



- A B
- B C
- C F
- D E

4 Given the figure shown, what verbal description describes the translation from figure  $A$  to figure  $B$ ?



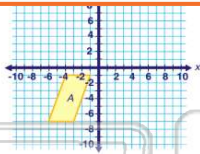
- A 3 down, 4 to the right
- B 3 down, 3 to the right



## PREVIEW

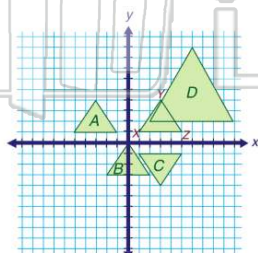
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7 If a point is in the third quadrant, what are its coordinates?  
A quadrant I  
B quadrant II  
C quadrant III  
D quadrant IV



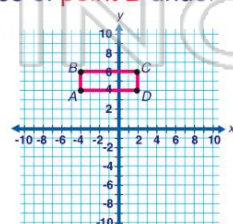
- A true
- B false

9 Which figure is a dilation of triangle  $XYZ$ ?



- A A
- B B
- C C
- D D

10 Point  $B$  is at  $(-6, 4)$ . What would be the coordinates of point  $B$  under a dilation of .5?



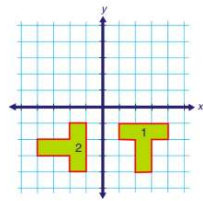
- A  $(2, -2)$
- B  $(2, 3)$
- C  $(-2, 3)$
- D  $(8, 12)$



## ANSWER KEY

Figure #1 is rotated to figure #2.

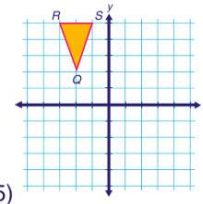
What is the angle and direction of the rotation?



(C)

- A 60° clockwise
- B 90° counter-clockwise
- C 90° clockwise
- D 60° counter-clockwise

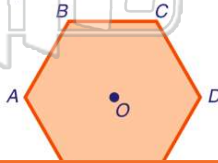
Triangle *QRS* shown is rotated 180° clockwise. What are the coordinates of the new figure?



(d)

- A Q'(2, 2), R'(3, 5), S'(1, 5)
- B Q'(-2, -2), R'(-3, -5), S'(-1, -5)
- C Q'(2, 2), R'(5, 3), S'(5, 1)
- D Q'(2, -2), R'(3, -5), S'(1, -5)

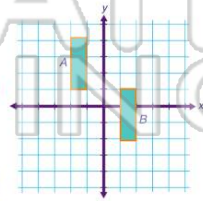
For the figure shown, if point *A* is rotated 60° counter-clockwise about point *O*, which point would it become?



(C)

- A B
- B C
- C F
- D E

Given the figure shown, what verbal description describes the translation from figure *A* to figure *B*?



(b)

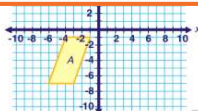
- A 3 down, 4 to the right
- B 3 down, 3 to the right
- C 3 up, 3 to the left



## PREVIEW

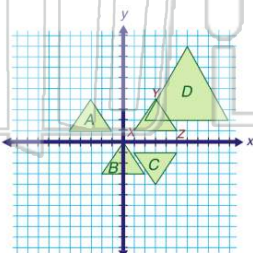
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- A quadrant I
- B quadrant II
- C quadrant III
- D quadrant IV



- A true
- B false

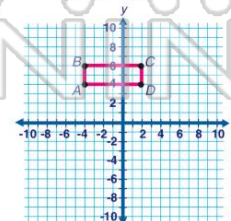
Which figure is a dilation of triangle *XYZ*?



(d)

- A A
- B B
- C C
- D D

Point *B* is at (-6, 4). What would be the coordinates of point *B* under a dilation of .5?



(C)

- A (2, -2)
- B (2, 3)
- C (-2, 3)
- D (8, 12)