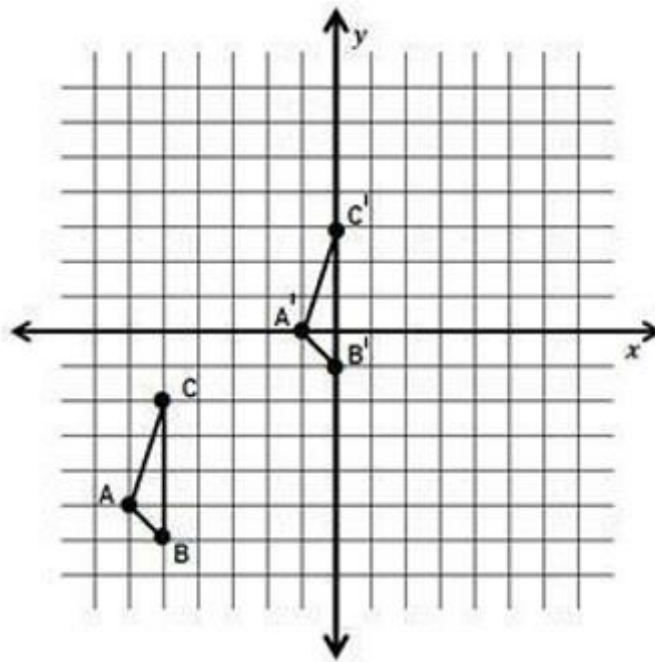


Student Name: \_\_\_\_\_  
Student \_\_\_\_\_  
Instructions: \_\_\_\_\_

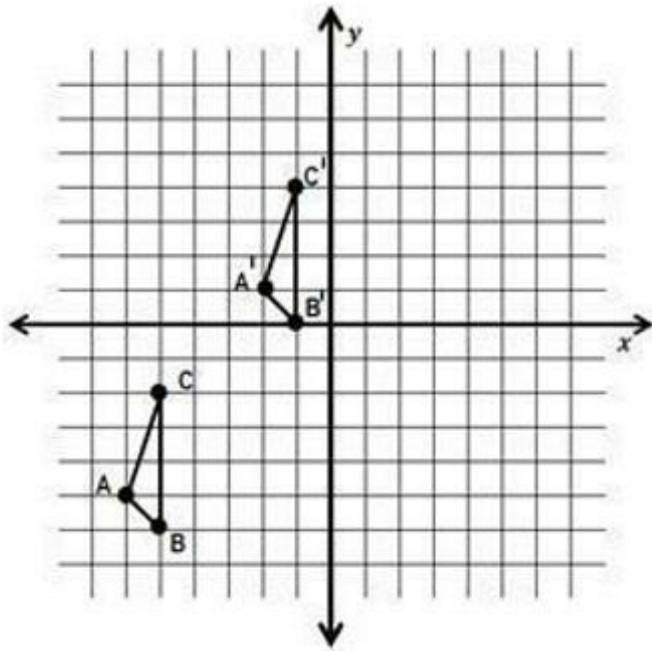
Test ID: 109112918160420  
Description: Digital Learning-  
Translations

1. Which graph represents a transformation up 6 units and right 5 units of  $\triangle ABC$ ?

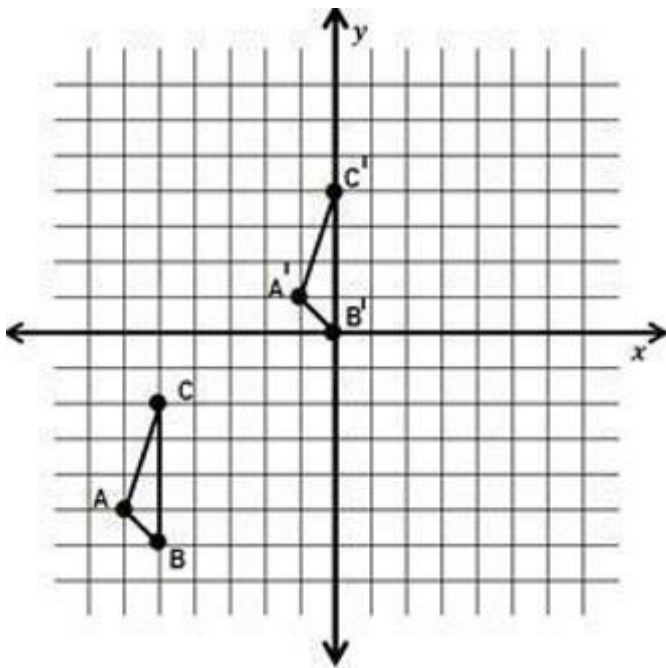
A.



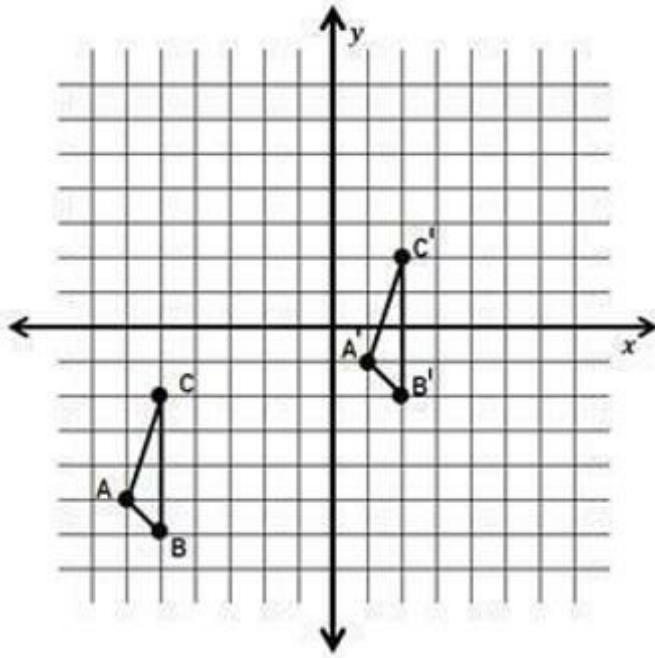
B.



C.



D.



2. If  $S(3, -4)$  is translated 5 units left and 3 units up, what is the ordered pair of  $S'$ ?
- A.  $(-2, -1)$
  - B.  $(-2, 1)$
  - C.  $(2, -1)$
  - D.  $(8, 7)$
3. If point B is located at  $(0, 2)$  and is translated to point  $B'$  with coordinates  $(1, -1)$ , which translation did point B undergo?
- A. One unit right and three units down
  - B. One unit right and one unit down
  - C. Two units right and two units down
  - D. Three units left and one unit up

4. If  $S(3, -4)$  is translated according to the rule  $(x - 5, y + 3)$ , what is the ordered pair of  $S'$ ?

- A.  $(-2, -1)$
- B.  $(-2, 1)$
- C.  $(2, -1)$
- D.  $(8, 7)$

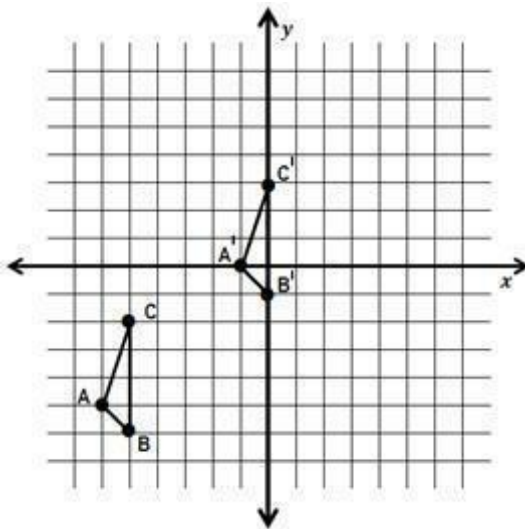
5. Which of the following describes the movement of a figure that is translated according to the rule below?

**$(x - 7, y + 1)$**

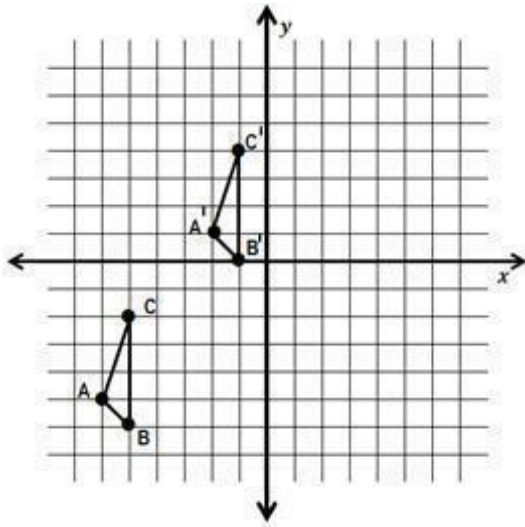
- A. Down 7 units and right 1 unit
- B. Left 7 units and up 1 unit.
- C. Right 7 units and down 1 unit.
- D. Up 7 units and left 1 unit.

6. Which graph represents a transformation of  $\triangle ABC$  using the rule  $(x + 5, y + 6)$ ?

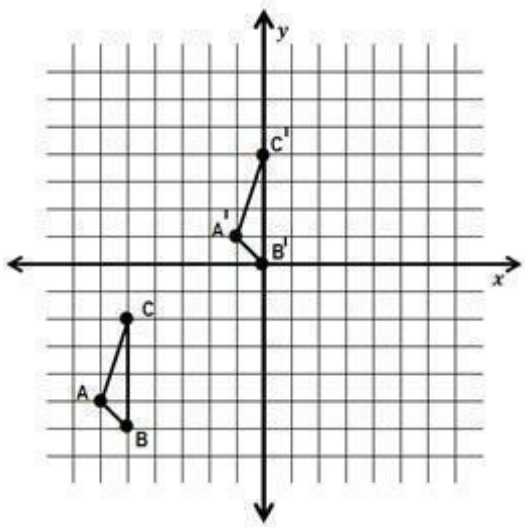
A.



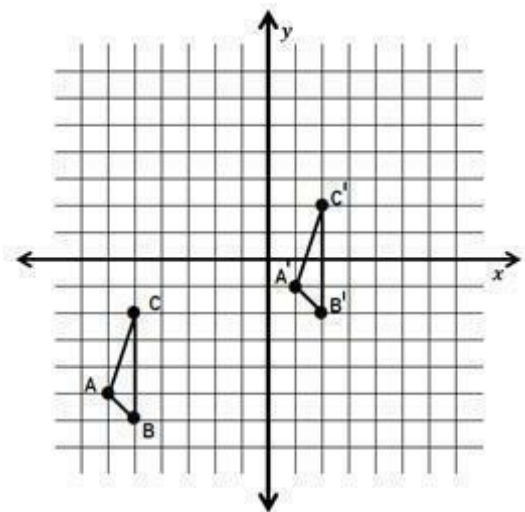
B.



C.



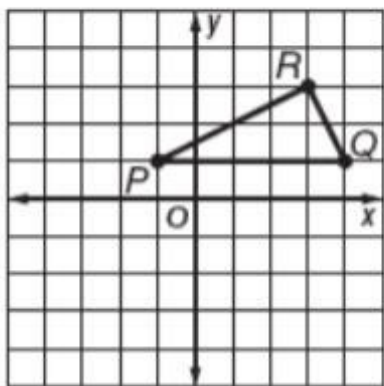
D.



7. A line segment is translated. Which of the following is true?

- A. The thickness of the segment changes
- B. The slope of the segment changes
- C. The location of the segment changes
- D. The length of the segment changes

8. Triangle  $PQR$  has vertices as shown.



If the figure is translated 1 unit left and 2 units down, what are the coordinates of  $Q'$ ?

- A.  $(3,1)$
- B.  $(3,-1)$
- C.  $(-3,1)$
- D.  $(-3,-1)$

9. The ordered pair  $D(0,-5)$  is translated 2 units left and 6 units up. Which of the following describes the translation using translation notation?

- A.  $(x - 2, y - 6)$
- B.  $(x - 6, y + 2)$
- C.  $(x + 6, y - 2)$
- D.  $(x - 2, y + 6)$

- 10.** Triangle  $ABC$  has vertices  $A(2, 4)$ ,  $B(3, 1)$ , and  $C(3, 3)$ . A translation maps point  $A$  to  $A'(5, -1)$ .

Using this translation, what are the coordinates of  $C'$ ?

- A.  $(0, -2)$
- B.  $(3, -5)$
- C.  $(6, -2)$
- D.  $(6, -8)$