

**"Name the Rule"**

Date \_\_\_\_\_ Period \_\_\_\_\_

**Select the rule to describe each transformation.**

1)  $C(-2, -1)$  to  $C'(-2, -2)$

- A) reflection across  $y = x$
- B) reflection across  $y = -3$
- C) translation: 3 units left and 6 units up
- D) translation: 1 unit down

2)  $J(-2, 3)$  to  $J'(-5, 1)$

- A) translation: 7 units right and 1 unit down
- B) reflection across  $y = x$
- C) translation: 4 units right and 5 units down
- D) translation: 3 units left and 2 units down

3)  $E(2, -2)$  to  $E'(-2, 2)$

- A) reflection across  $y = -x$
- B) reflection across  $y = x$
- C) translation: 3 units right and 4 units up
- D) translation: 1 unit left

4)  $E(1, 5)$  to  $E'(-5, -1)$

- A) reflection across  $y = -x$
- B) reflection across  $y = 1$
- C) translation: 3 units left and 1 unit down
- D) translation: 1 unit right and 1 unit down

5)  $I(5, 1)$  to  $I'(-3, 3)$

- A) translation:  $(x, y) \rightarrow (x - 8, y)$
- B) reflection across  $x = 1$
- C) translation:  $(x, y) \rightarrow (x - 8, y + 2)$
- D) reflection across  $y = -x$

6)  $E(-5, -2)$  to  $E'(-5, 2)$

- A) reflection across  $y = -x$
- B) reflection across  $x = -1$
- C) reflection across the x-axis
- D) translation:  $(x, y) \rightarrow (x + 5, y + 5)$

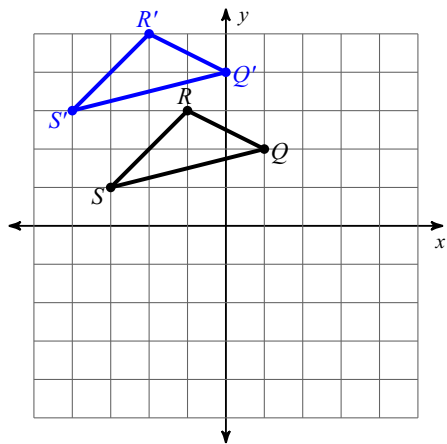
7)  $V(-3, 2)$  to  $V'(3, 2)$

- A) translation:  $(x, y) \rightarrow (x + 7, y + 3)$
- B) translation:  $(x, y) \rightarrow (x, y + 1)$
- C) reflection across the y-axis
- D) reflection across  $y = 1$

8)  $Q(-4, -4)$  to  $Q'(-1, 1)$

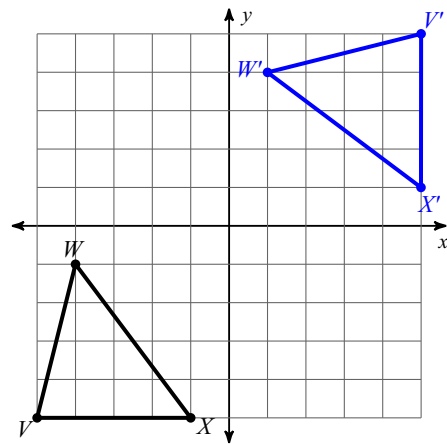
- A) translation:  $(x, y) \rightarrow (x + 3, y + 5)$
- B) reflection across  $y = -x$
- C) reflection across  $y = -1$
- D) translation:  $(x, y) \rightarrow (x + 7, y + 6)$

9)



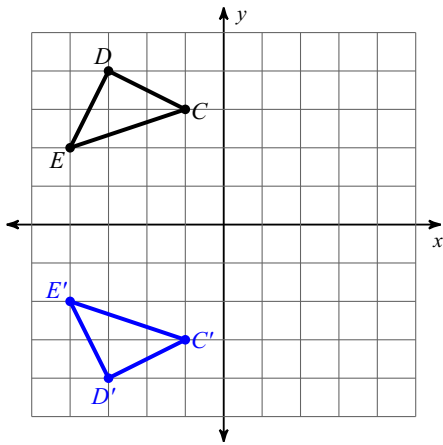
- A) reflection across the y-axis
- B) translation: 4 units down
- C) translation: 1 unit left and 2 units up
- D) translation: 1 unit right and 5 units down

10)



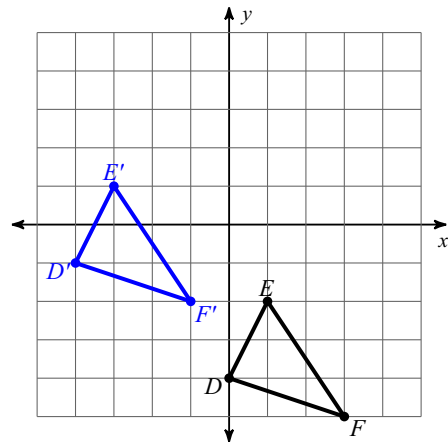
- A) reflection across  $x = -1$
- B) translation: 5 units right and 5 units up
- C) reflection across  $y = -x$
- D) reflection across  $y = -3$

11)



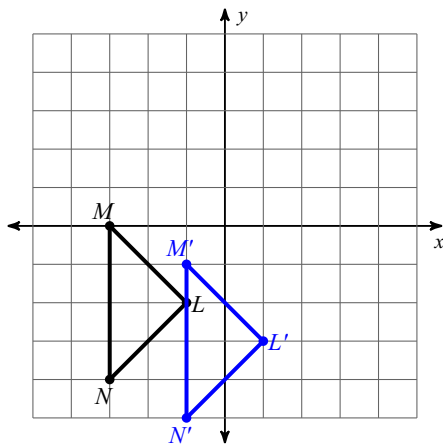
- A) reflection across the x-axis
- B) translation: 3 units right and 1 unit up
- C) translation: 4 units right and 4 units down
- D) translation: 4 units right

12)



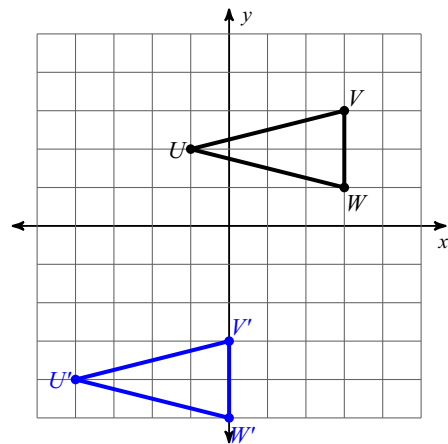
- A) translation: 4 units left and 6 units up
- B) translation: 3 units left and 2 units up
- C) translation: 4 units left and 3 units up
- D) translation: 1 unit right and 5 units up

13)



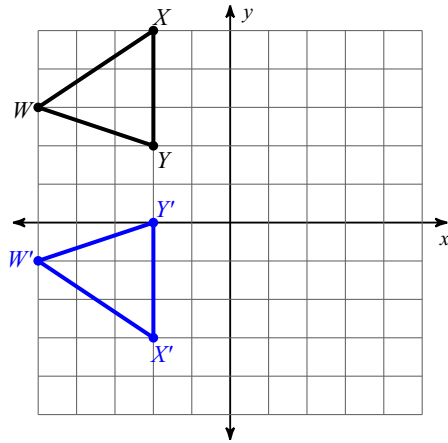
- A) translation:  $(x, y) \rightarrow (x + 2, y - 1)$
- B) reflection across  $y = x$
- C) translation:  $(x, y) \rightarrow (x + 3, y + 5)$
- D) translation:  $(x, y) \rightarrow (x + 1, y)$

14)



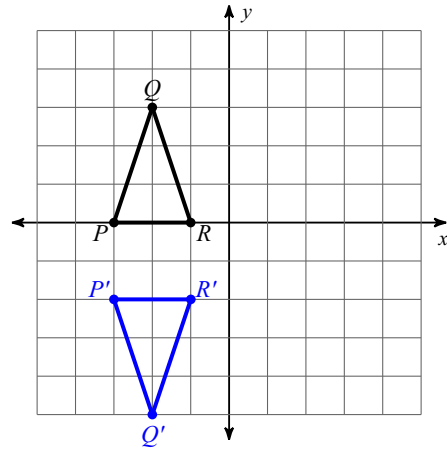
- A) reflection across  $y = -x$
- B) reflection across the x-axis
- C) translation:  $(x, y) \rightarrow (x - 1, y - 3)$
- D) translation:  $(x, y) \rightarrow (x - 3, y - 6)$

15)



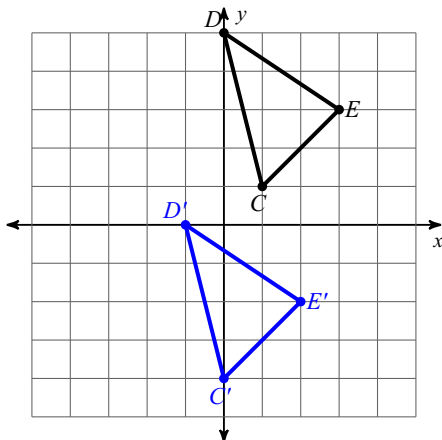
- A) translation:  $(x, y) \rightarrow (x + 3, y - 3)$
- B) translation:  $(x, y) \rightarrow (x + 5, y - 3)$
- C) translation:  $(x, y) \rightarrow (x + 7, y - 3)$
- D) reflection across  $y = 1$

16)



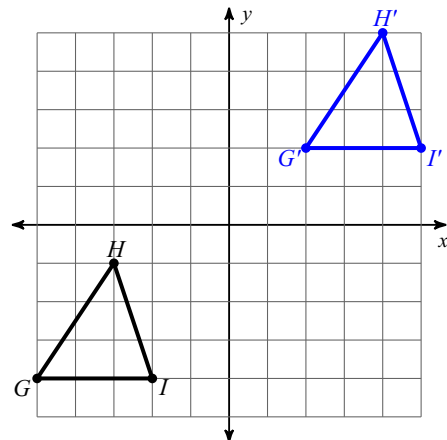
- A) reflection across the y-axis
- B) translation:  $(x, y) \rightarrow (x - 1, y - 5)$
- C) translation:  $(x, y) \rightarrow (x + 5, y - 4)$
- D) reflection across  $y = -1$

17)



- A) translation:  $(x, y) \rightarrow (x + 1, y - 6)$
- B) translation:  $(x, y) \rightarrow (x - 1, y - 5)$
- C) reflection across  $y = -x$
- D) reflection across  $x = 2$

18)



- A) reflection across  $y = -x$
- B) reflection across the x-axis
- C) translation:  $(x, y) \rightarrow (x + 7, y + 6)$
- D) reflection across  $x = -2$

**"Name the Rule"**

Date \_\_\_\_\_ Period \_\_\_\_\_

**Select the rule to describe each transformation.**

1)  $C(-2, -1)$  to  $C'(-2, -2)$

- A) reflection across  $y = x$
- B) reflection across  $y = -3$
- C) translation: 3 units left and 6 units up
- \*D) translation: 1 unit down

2)  $J(-2, 3)$  to  $J'(-5, 1)$

- A) translation: 7 units right and 1 unit down
- B) reflection across  $y = x$
- C) translation: 4 units right and 5 units down
- \*D) translation: 3 units left and 2 units down

3)  $E(2, -2)$  to  $E'(-2, 2)$

- A) reflection across  $y = -x$
- \*B) reflection across  $y = x$
- C) translation: 3 units right and 4 units up
- D) translation: 1 unit left

4)  $E(1, 5)$  to  $E'(-5, -1)$

- \*A) reflection across  $y = -x$
- B) reflection across  $y = 1$
- C) translation: 3 units left and 1 unit down
- D) translation: 1 unit right and 1 unit down

5)  $I(5, 1)$  to  $I'(-3, 3)$

- A) translation:  $(x, y) \rightarrow (x - 8, y)$
- B) reflection across  $x = 1$
- \*C) translation:  $(x, y) \rightarrow (x - 8, y + 2)$
- D) reflection across  $y = -x$

6)  $E(-5, -2)$  to  $E'(-5, 2)$

- A) reflection across  $y = -x$
- B) reflection across  $x = -1$
- \*C) reflection across the x-axis
- D) translation:  $(x, y) \rightarrow (x + 5, y + 5)$

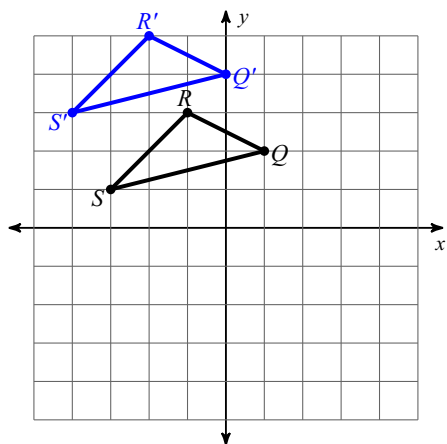
7)  $V(-3, 2)$  to  $V'(3, 2)$

- A) translation:  $(x, y) \rightarrow (x + 7, y + 3)$
- B) translation:  $(x, y) \rightarrow (x, y + 1)$
- \*C) reflection across the y-axis
- D) reflection across  $y = 1$

8)  $Q(-4, -4)$  to  $Q'(-1, 1)$

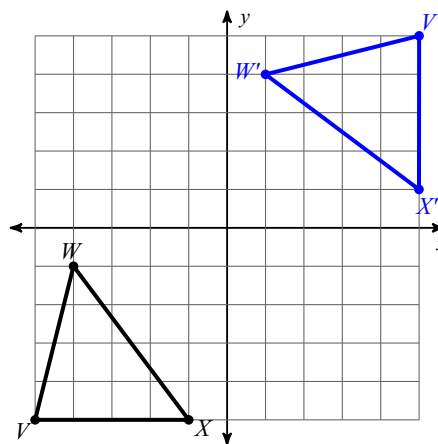
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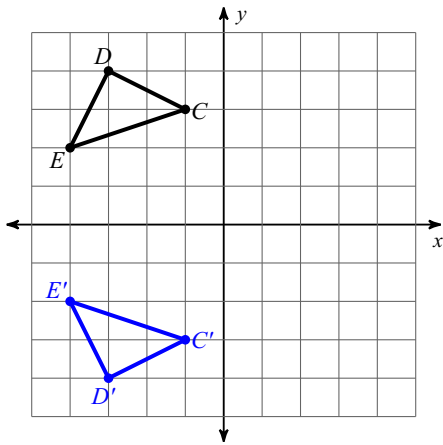
- A) reflection across the y-axis
- B) translation: 4 units down
- \*C) translation: 1 unit left and 2 units up
- D) translation: 1 unit right and 5 units down

10)



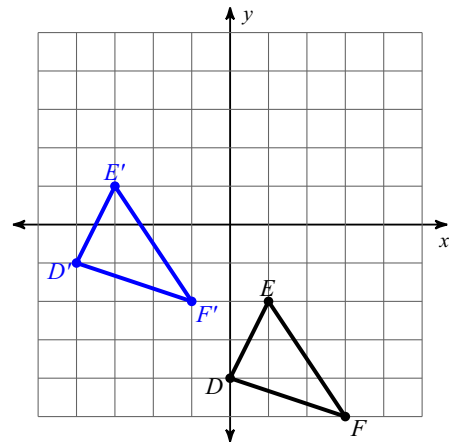
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- D) reflection across  $y = -3$

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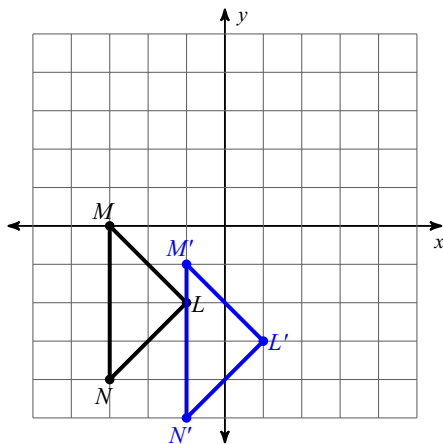
- \*A) reflection across the x-axis
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- C) translation: 4 units right and 4 units down
- D) translation: 4 units right

12)



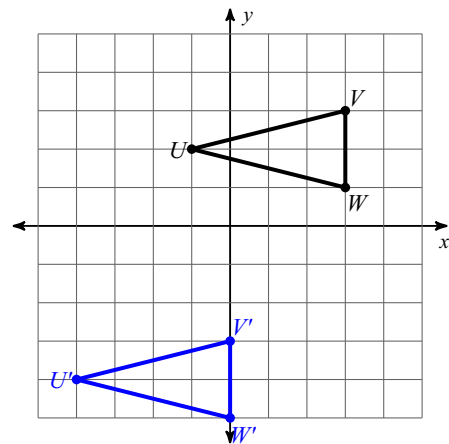
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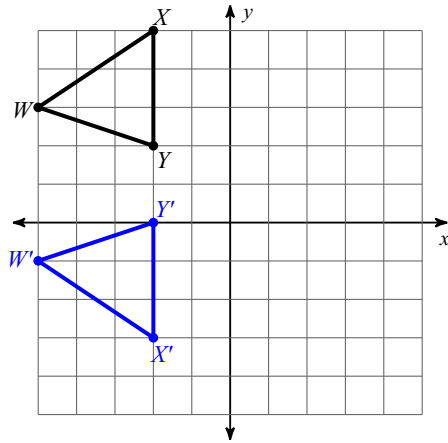
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14)



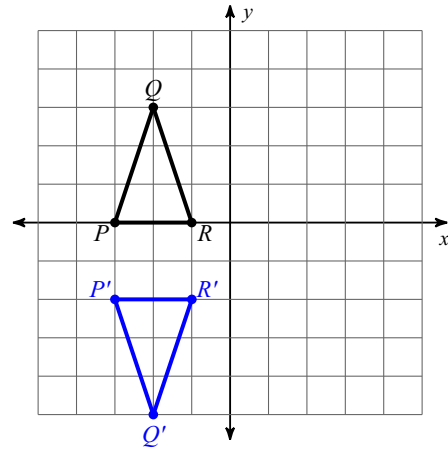
- A) reflection across  $y = -x$
- B) reflection across the x-axis
- C) translation:  $(x, y) \rightarrow (x - 1, y - 3)$
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15)



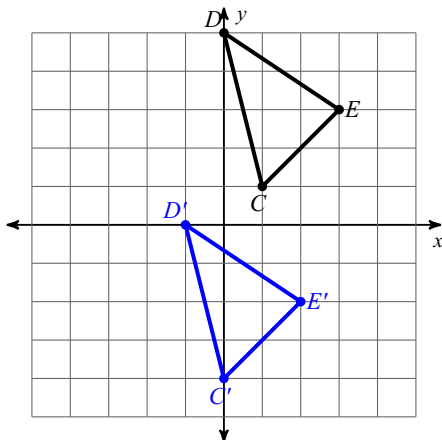
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- C) translation:  $(x, y) \rightarrow (x + 7, y - 3)$
- \*D) reflection across  $y = 1$

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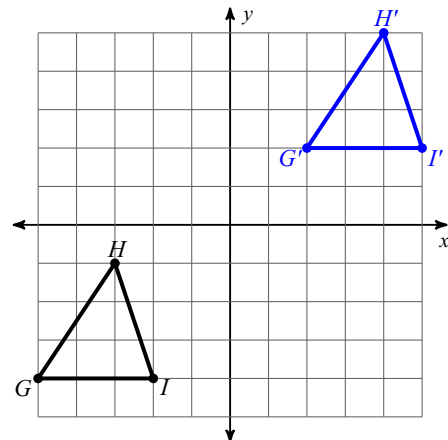
- A) reflection across the y-axis
- B) translation:  $(x, y) \rightarrow (x - 1, y - 5)$
- C) translation:  $(x, y) \rightarrow (x + 5, y - 4)$
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- A) translation:  $(x, y) \rightarrow (x + 1, y - 6)$
- \*B) translation:  $(x, y) \rightarrow (x - 1, y - 5)$
- C) reflection across  $y = -x$
- D) reflection across  $x = 2$

18)



- A) reflection across  $y = -x$
- B) reflection across the x-axis
- \*C) translation:  $(x, y) \rightarrow (x + 7, y + 6)$
- D) reflection across  $x = -2$