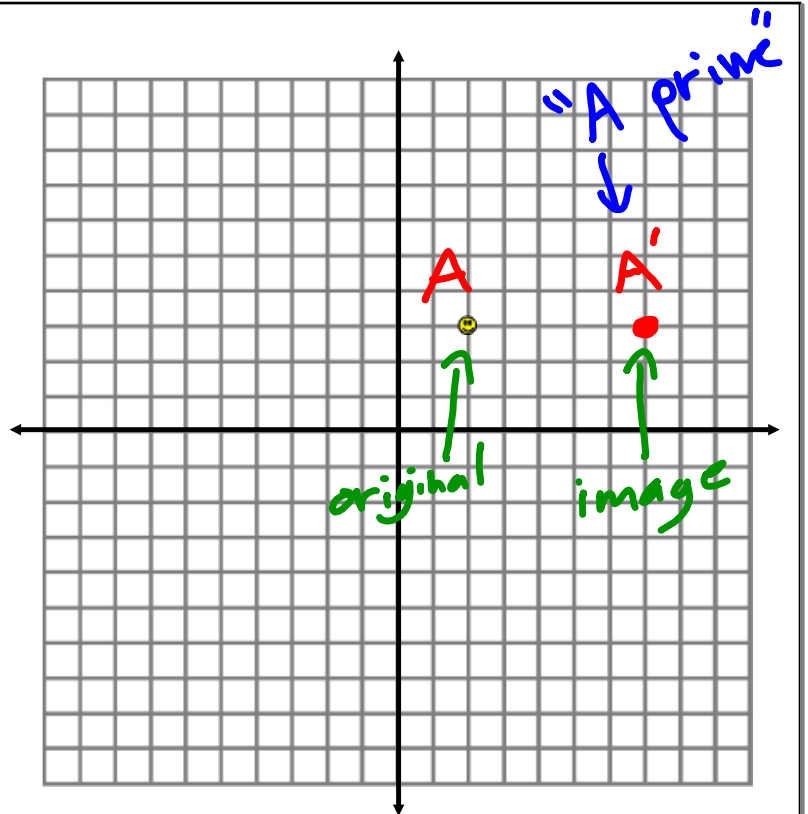


# HW: 6-1 MathXL for School Additional Practice

 <http://www.youtube.com/watch?v=0eN9KP6lOZs>

Right 5



## Arrow Notation

Right 5

$$(2, 3) \rightarrow (7, 3)$$

$$(x, y) \rightarrow (x + 5, y)$$

Left 3, Up 6

$$(x, y) \rightarrow (x - 3, y + 6)$$

Up 10, Right 17

$$(x, y) \rightarrow (x + 17, y + 10)$$

Down 5, Left 4

$$(x, y) \rightarrow (x - 4, y - 5)$$

$$(x, y) \rightarrow (x + 3, y)$$

$$(x, y) \rightarrow (x, y - 5)$$

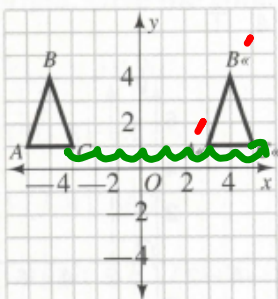
$$(x, y) \rightarrow (x - 2, y + 3)$$

$$(x, y) \rightarrow (x + 5, y + 5)$$

$$(x, y) \rightarrow (x - 3, y - 2)$$

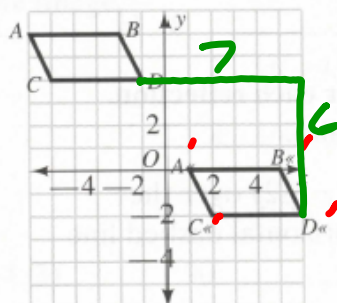
Use arrow notation to write a rule that describes the translation shown on each graph.

1.



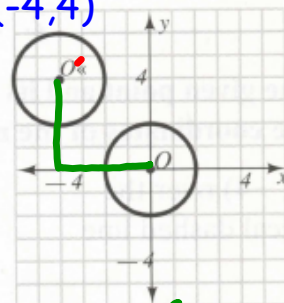
$(x, y) \rightarrow (x+8, y)$

2.



$(x, y) \rightarrow (x+7, y-6)$

3.  $(-4, 4)$



$(x, y) \rightarrow (x-4, y-4)$

Copy  $\triangle MNP$ . Then graph the image after each translation.

4. left 2 units, down 2 units

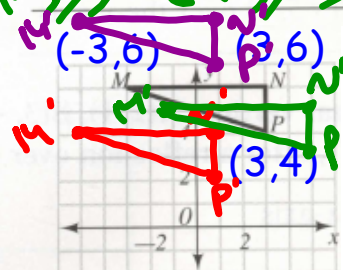
\_\_\_\_\_

5. right 2 units, down 1 unit

\_\_\_\_\_

6. left 2 units, up 3 units

\_\_\_\_\_



Copy  $\square RSTU$ . Then graph the image after each translation.

7. right 1 unit, down 2 units

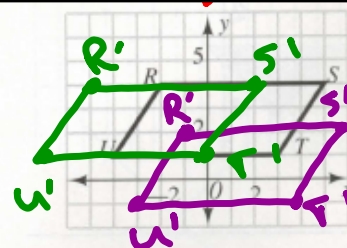
\_\_\_\_\_

8. left 3 units, up 0 units

\_\_\_\_\_

9. right 2 units, up 4 units

\_\_\_\_\_



Match each rule with the correct translation.

A

B

C

$$(x, y) \rightarrow (x - 6, y + 2)$$

$$(x, y) \rightarrow (x + 3, y)$$

$$(x, y) \rightarrow (x - 1, y - 7)$$

I

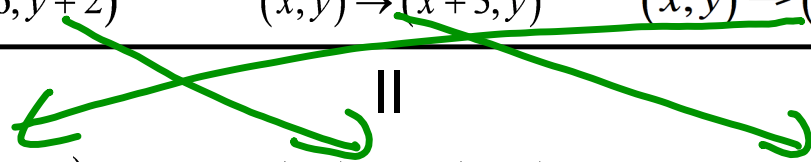
II

III

$$P(4, 1) \rightarrow P'(3, -6)$$

$$Q(3, 0) \rightarrow Q'(-3, 2)$$

$$R(-2, 4) \rightarrow R'(1, 4)$$



## Lesson Quiz



February 2, 2022

