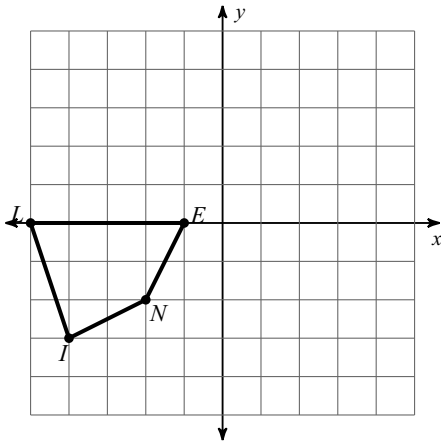


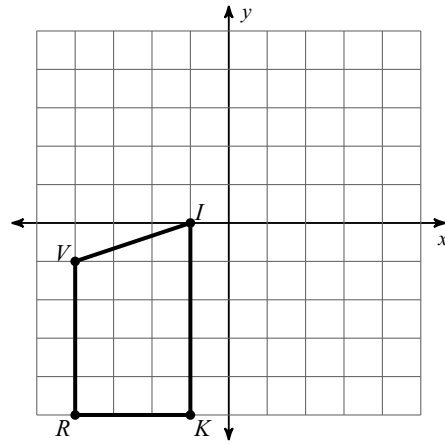
1.4 - Practice

Graph the image of the figure using the transformation given.

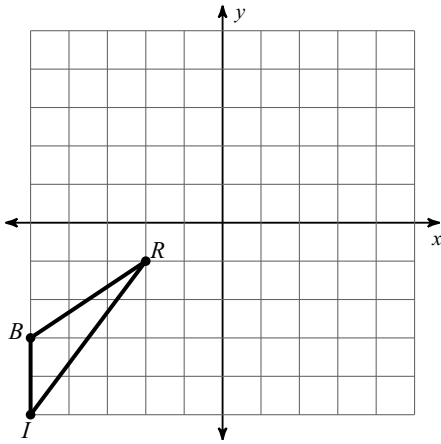
1) translation: $(x, y) \rightarrow (x, y + 3)$



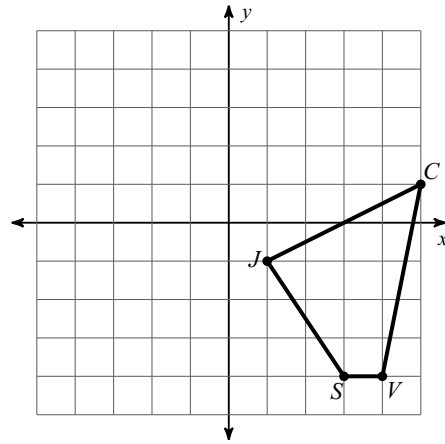
2) translation: $(x, y) \rightarrow (x - 1, y + 1)$



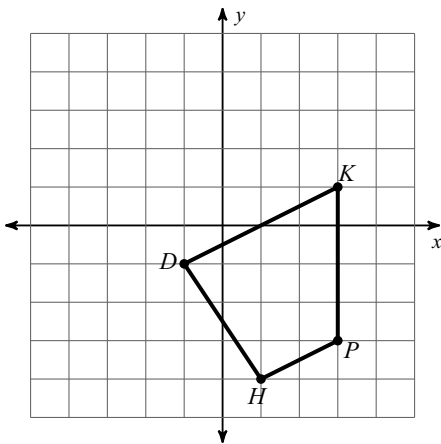
3) translation: $(x, y) \rightarrow (x + 3, y)$



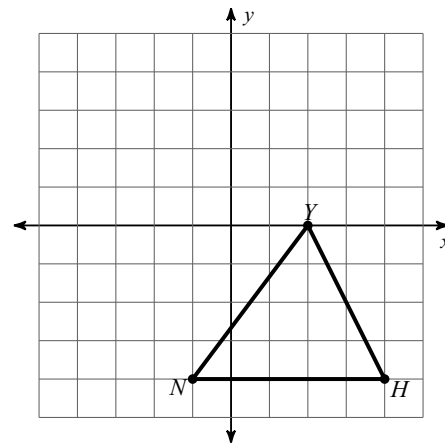
4) translation: $(x, y) \rightarrow (x - 3, y)$



5) translation: $(x, y) \rightarrow (x - 2, y)$

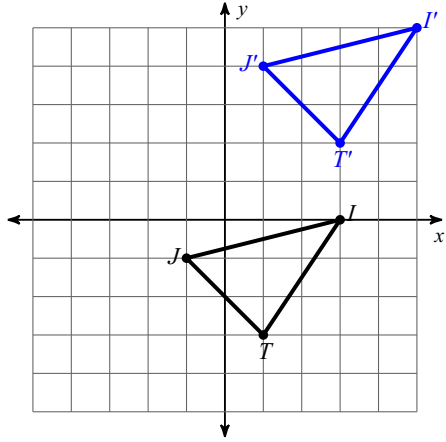


6) translation: $(x, y) \rightarrow (x - 4, y - 1)$

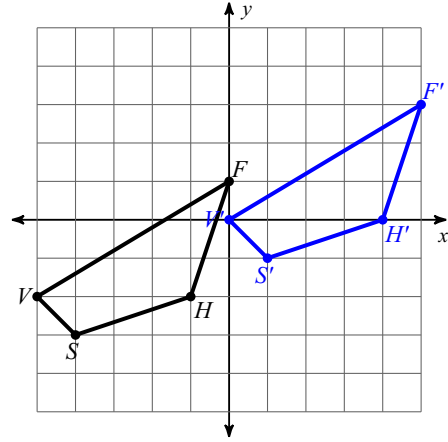


Write a rule to describe each transformation.

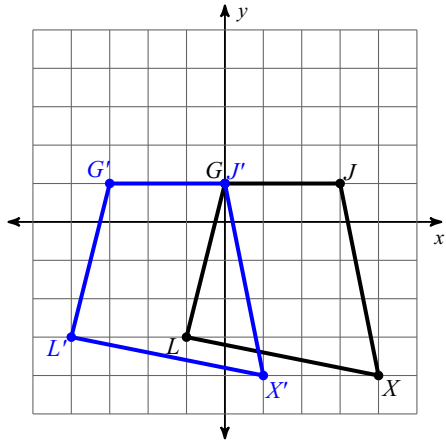
7)



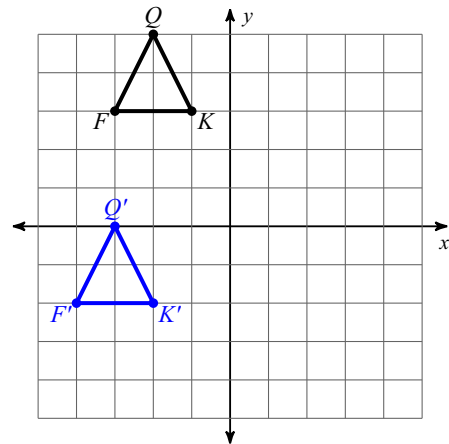
8)



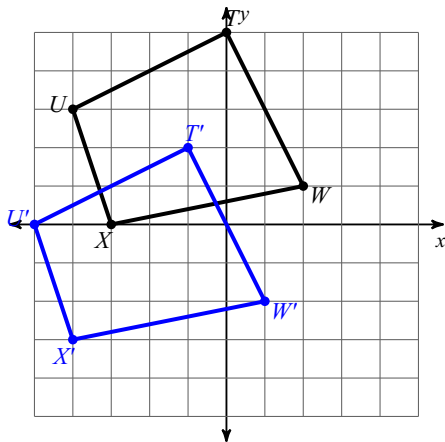
9)



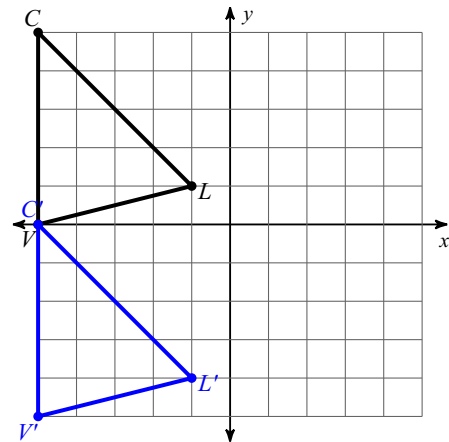
10)



11)



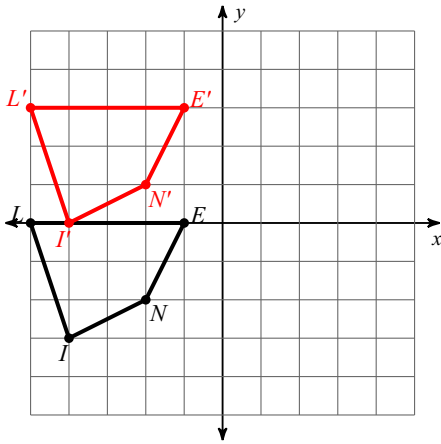
12)



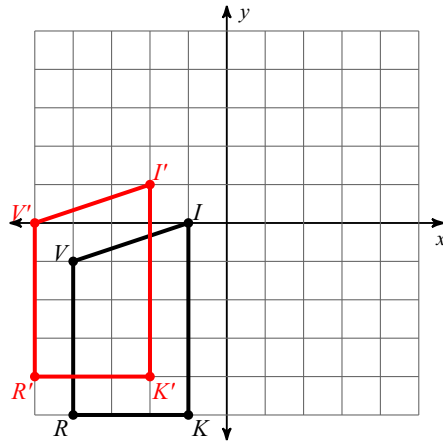
1.4 - Practice

Graph the image of the figure using the transformation given.

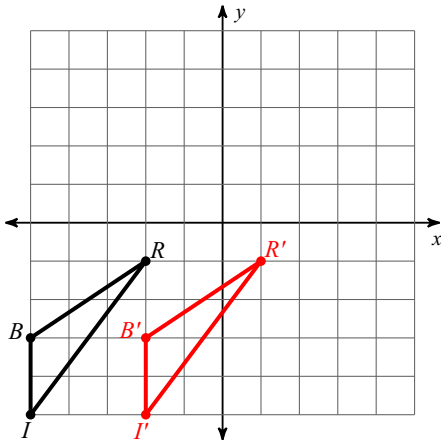
1) translation: $(x, y) \rightarrow (x, y + 3)$



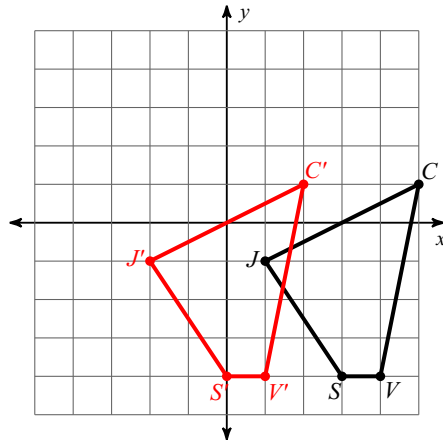
2) translation: $(x, y) \rightarrow (x - 1, y + 1)$



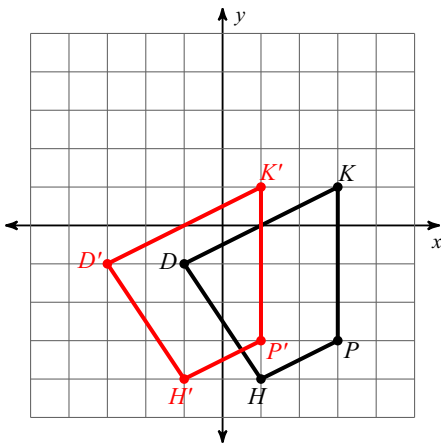
3) translation: $(x, y) \rightarrow (x + 3, y)$



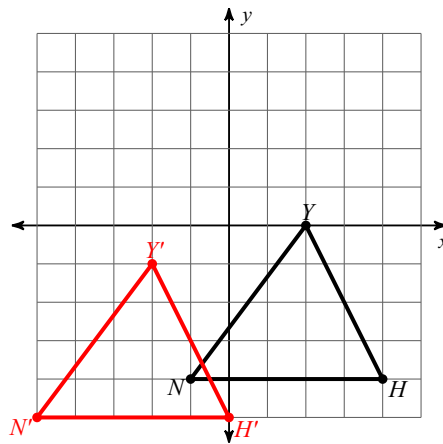
4) translation: $(x, y) \rightarrow (x - 3, y)$



5) translation: $(x, y) \rightarrow (x - 2, y)$

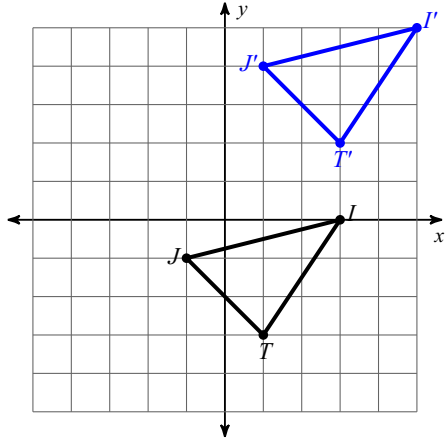


6) translation: $(x, y) \rightarrow (x - 4, y - 1)$



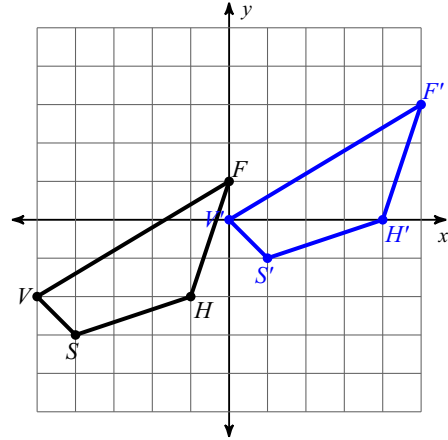
Write a rule to describe each transformation.

7)



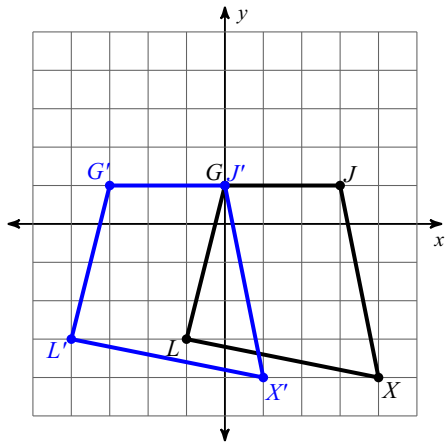
translation: 2 units right and 5 units up

8)



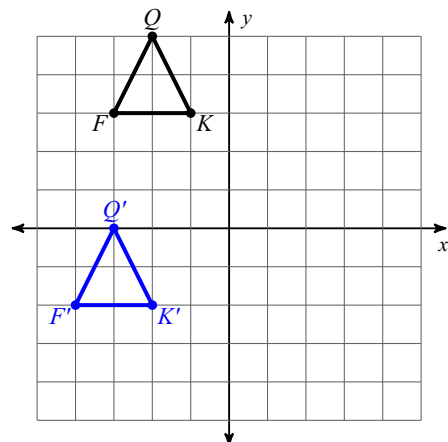
translation: 5 units right and 2 units up

9)



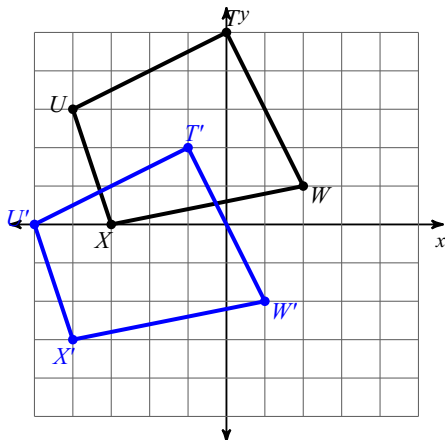
translation: 3 units left

10)



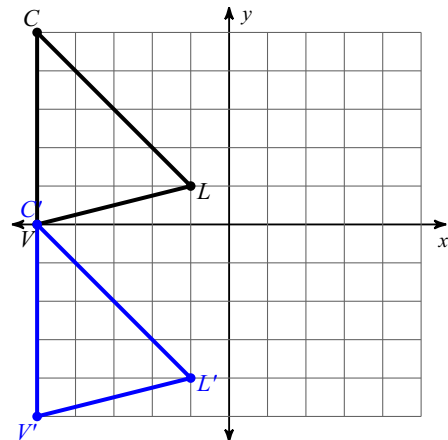
translation: 1 unit left and 5 units down

11)



translation: 1 unit left and 3 units down

12)



translation: 5 units down