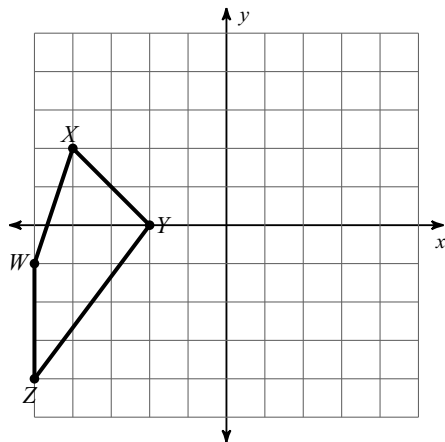
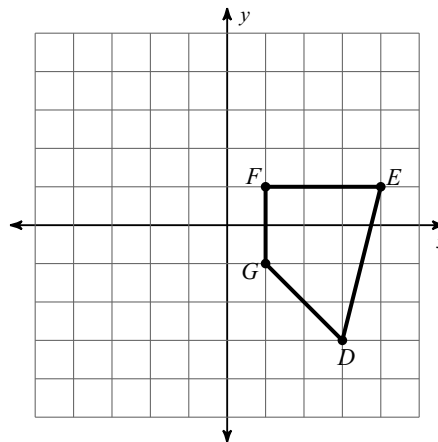
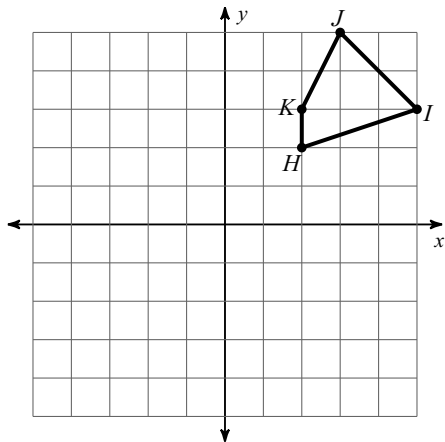


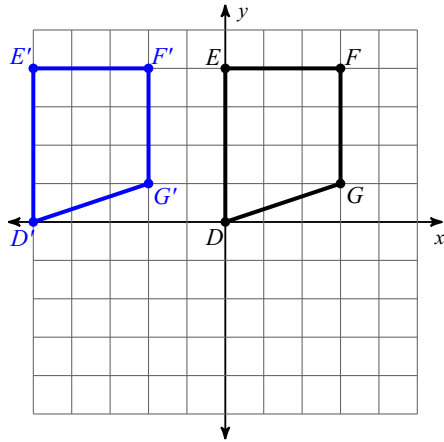
8.G.3 Skills Check

Date _____ Period _____

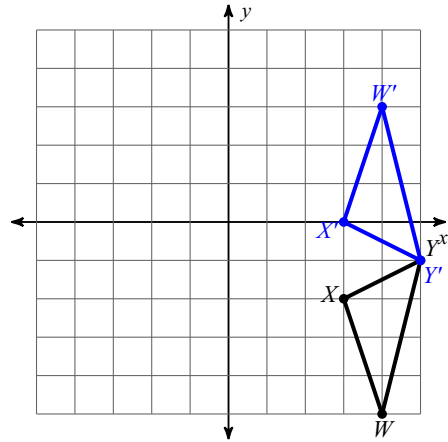
Graph the image of the figure using the transformation given.1) translation: $(x, y) \rightarrow (x + 5, y)$ 2) reflection across $y = x$ 3) rotation 90° clockwise about the origin

Write a rule to describe each transformation.

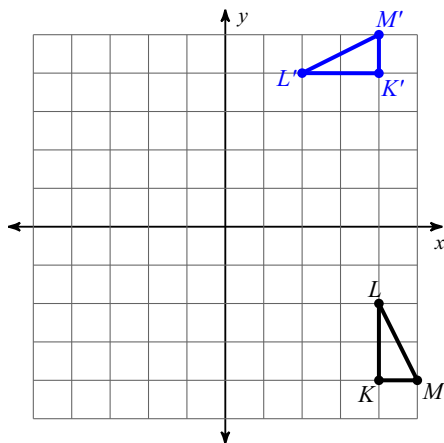
4)



5)



6)



Find the coordinates of the vertices of each figure after the given transformation.

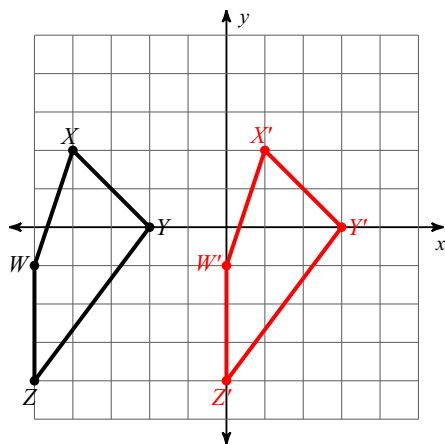
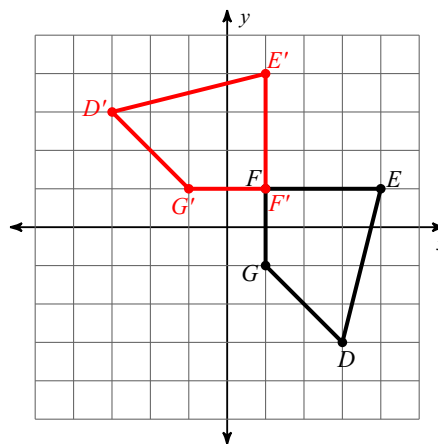
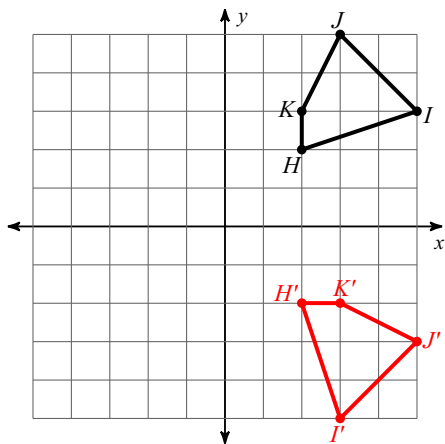
7) reflection across the x-axis
 $D(-5, -5)$, $E(-3, 0)$, $F(-2, -4)$

8) rotation 180° about the origin
 $A(-4, -2)$, $B(-2, 0)$, $C(0, -5)$

9) translation: $(x, y) \rightarrow (x - 3, y - 6)$
 $H(-1, 2)$, $I(2, 3)$, $J(3, 1)$

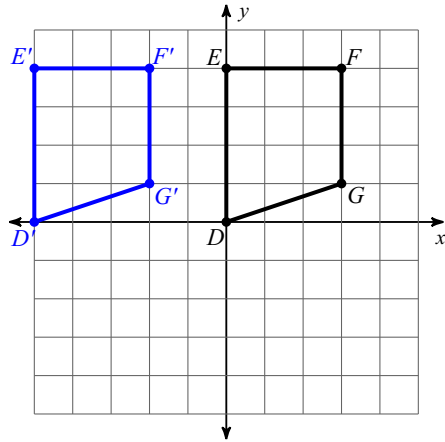
8.G.3 Skills Check

Date _____ Period _____

Graph the image of the figure using the transformation given.1) translation: $(x, y) \rightarrow (x + 5, y)$ 2) reflection across $y = x$ 3) rotation 90° clockwise about the origin

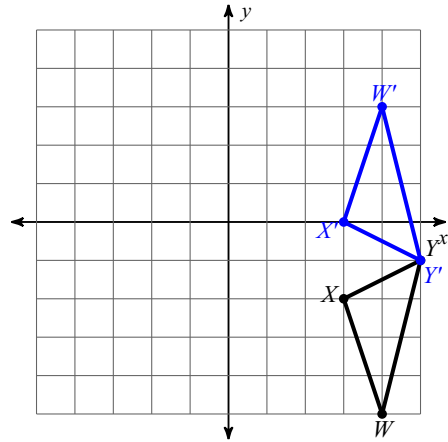
Write a rule to describe each transformation.

4)



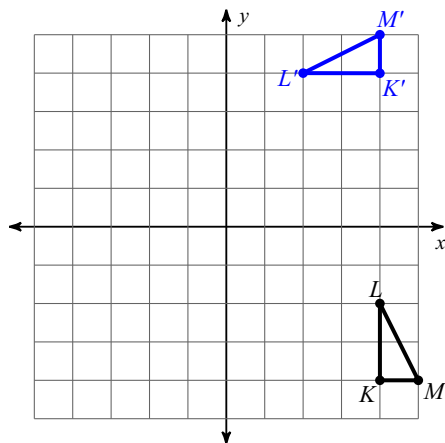
translation: $(x, y) \rightarrow (x - 5, y)$

5)



reflection across $y = -1$

6)



rotation 90° counterclockwise about the origin

Find the coordinates of the vertices of each figure after the given transformation.

- 7) reflection across the x-axis
 $D(-5, -5), E(-3, 0), F(-2, -4)$
 $E'(-3, 0), F'(-2, 4), D'(-5, 5)$

- 8) rotation 180° about the origin
 $A(-4, -2), B(-2, 0), C(0, -5)$
 $A'(4, 2), B'(2, 0), C'(0, 5)$

- 9) translation: $(x, y) \rightarrow (x - 3, y - 6)$
 $H(-1, 2), I(2, 3), J(3, 1)$
 $H'(-4, -4), I'(-1, -3), J'(0, -5)$