Reflections, Rotations, & Translations HW#2   Date_____ Hr_____ Day_____

**Write a rule to describe each transformation.**

1)
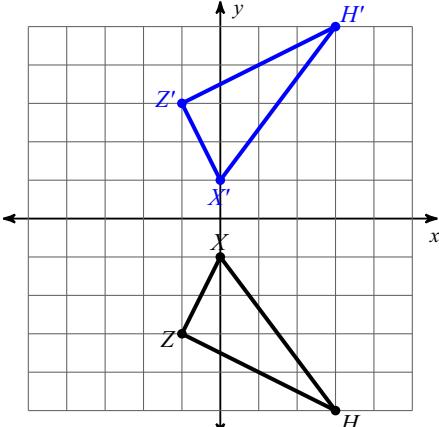
2)
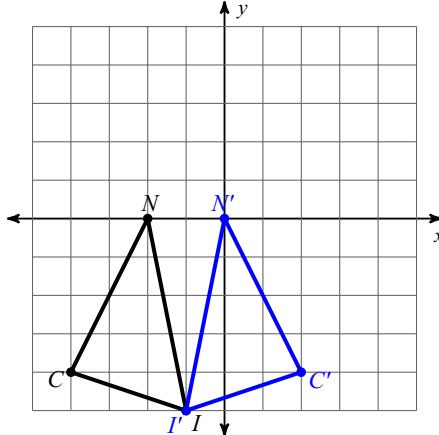
Graph the image of the figure using the transformation given.

3) reflection across the y-axis
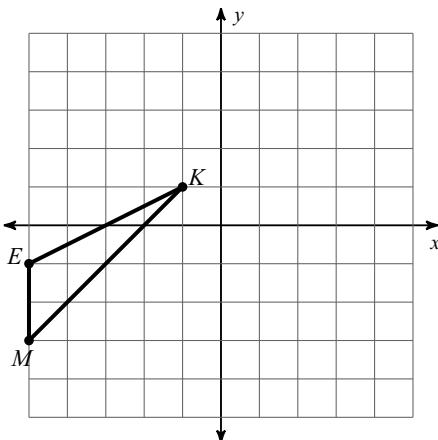

4) reflection across $y = -x$
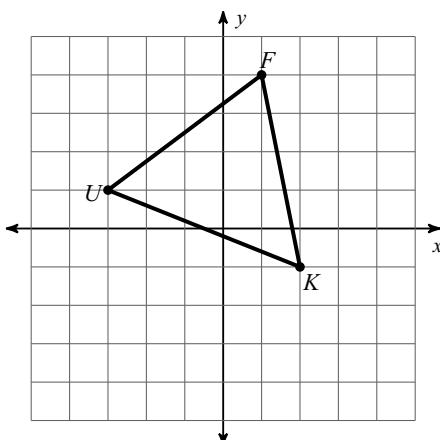

5) reflection across $y = -x$
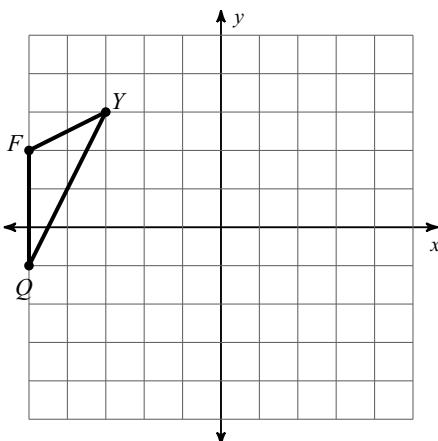
6) reflection across $x = 2$
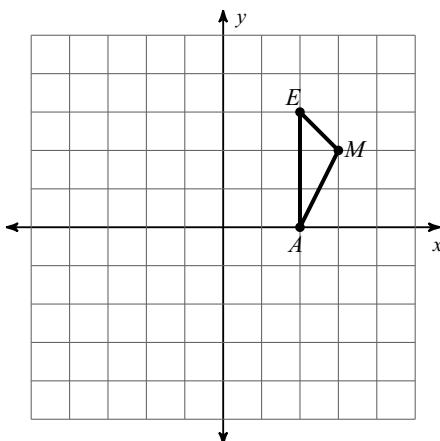
7) rotation 180° about the origin
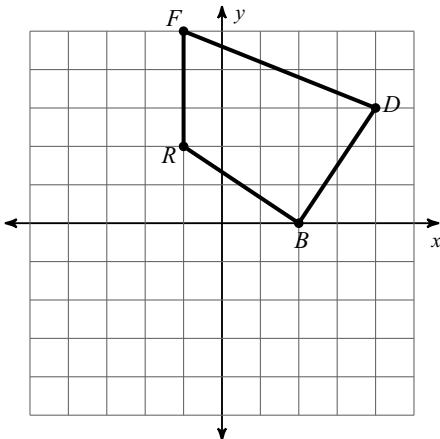
8) rotation 90° counterclockwise about the origin
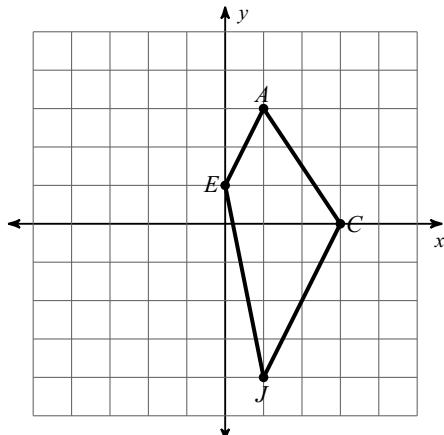
**Write a rule to describe each transformation.**

9)
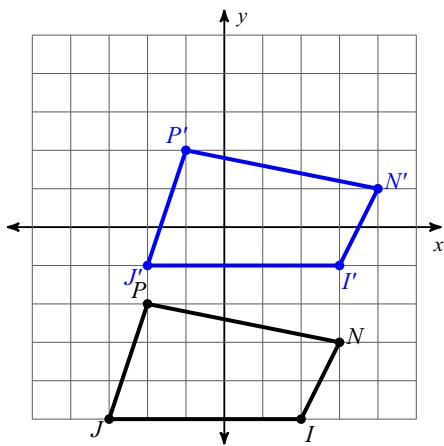
10)
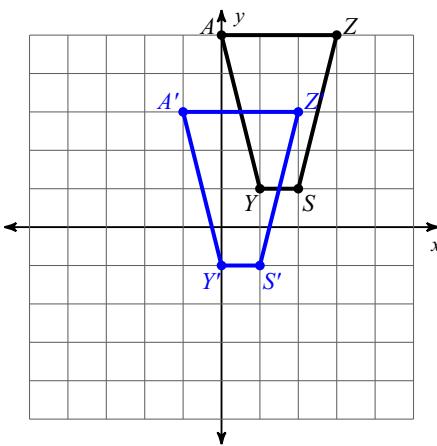
Graph the image of the figure using the transformation given.

11) translation: $(x, y) \rightarrow (x, y - 4)$
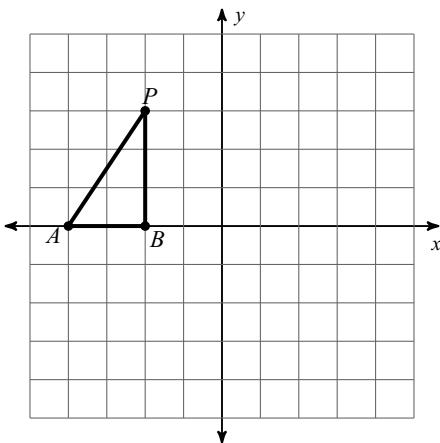
12) translation: $(x, y) \rightarrow (x + 1, y + 2)$
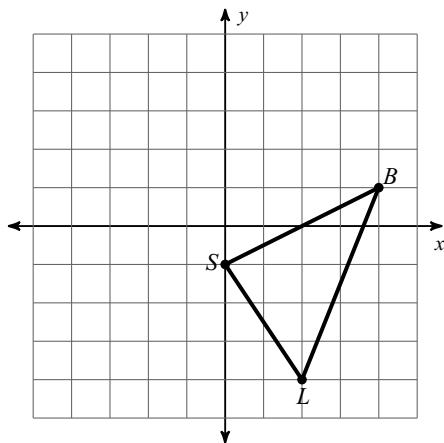
# Answers to Reflections, Rotations, & Translations HW#2 (ID: 1)

1) reflection across the x-axis
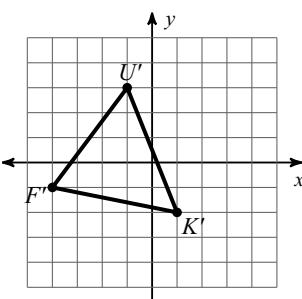
2) reflection across $x = -1$
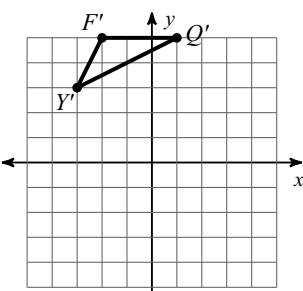
3)
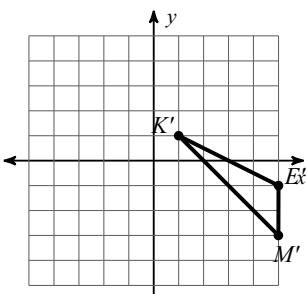
4)
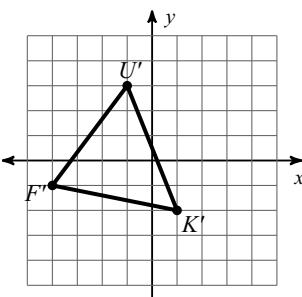

5)
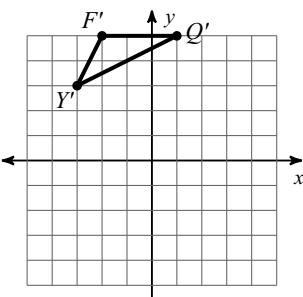
6)
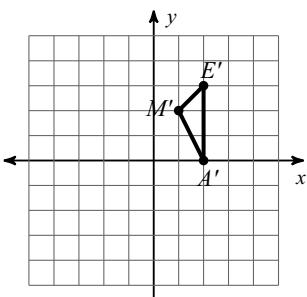
7)
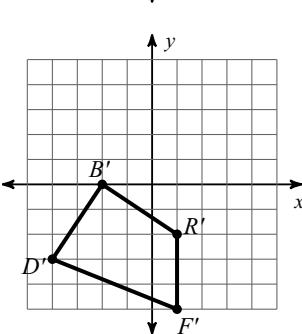
8)
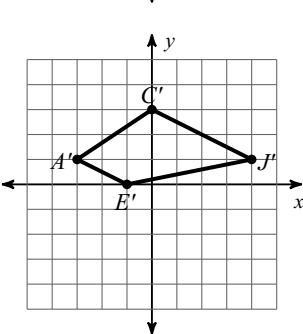
9) translation: 1 unit right and 4 units up
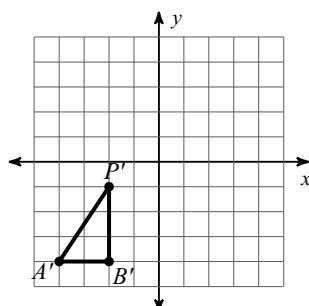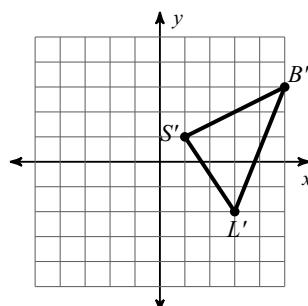
10) translation: 1 unit left and 2 units down

11)

12)

Made with Infinite Geometry.