Name_____

Unit 9.2 Reflections EXAMPLE

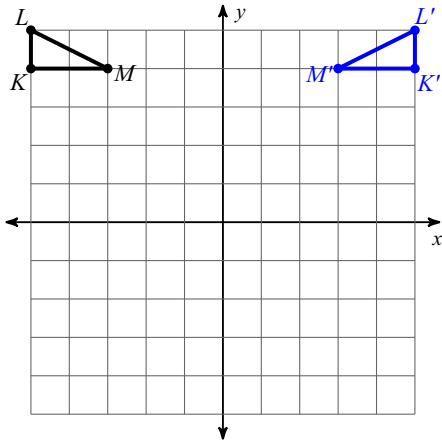**Write a rule to describe each transformation.**
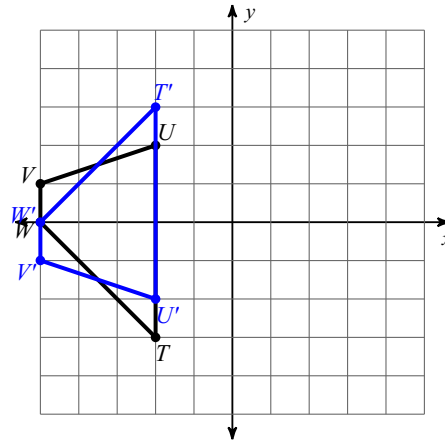
1) $P(-1, 4)$ to $P'(-1, -4)$

2) $E(1, 3)$ to $E'(-1, 3)$
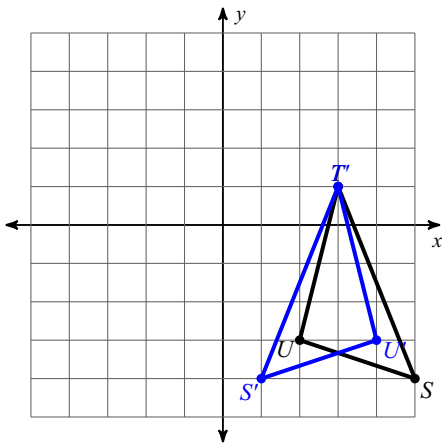
3) $G(3, 4)$ to $G'(-3, 4)$

4) $T(3, 5)$ to $T'(-1, 5)$

5)

6)

7)

8)

9)

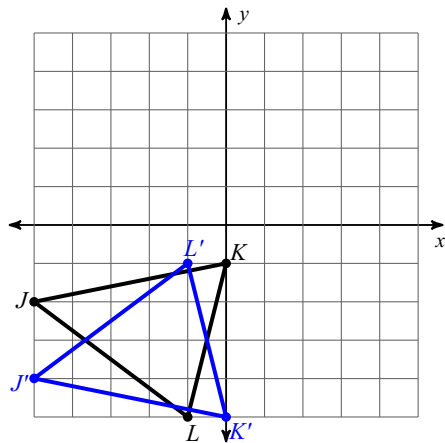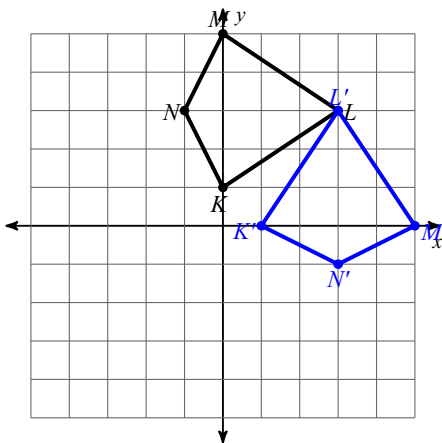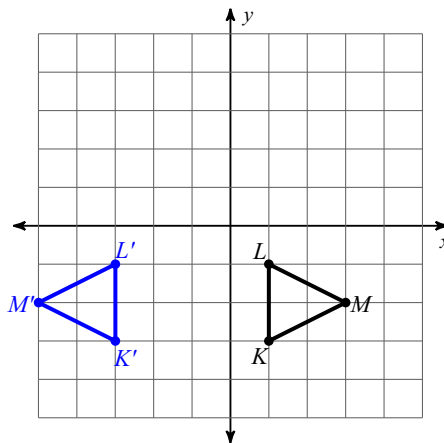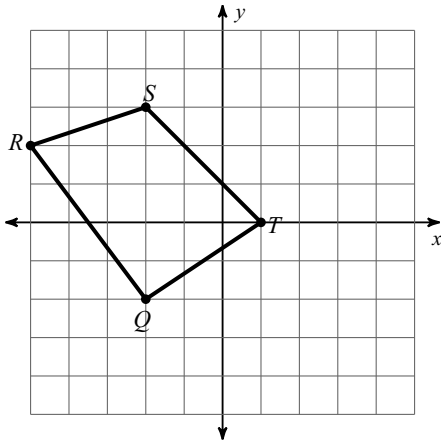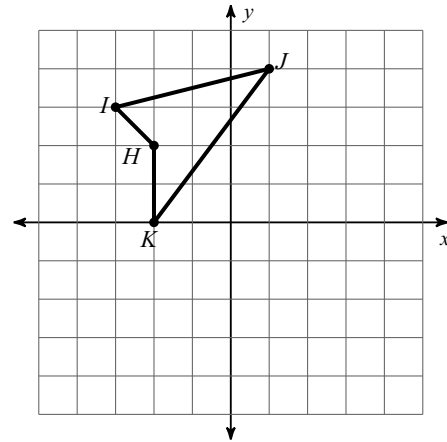

10)

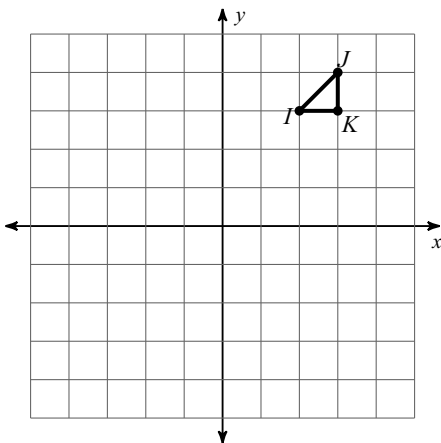**Graph the image of the figure using the transformation given.**

11) reflection across $x = -2$
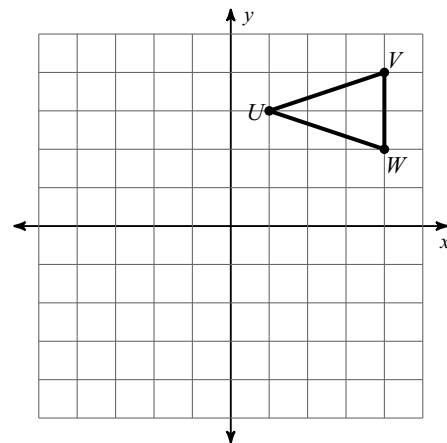

12) reflection across $y = 1$
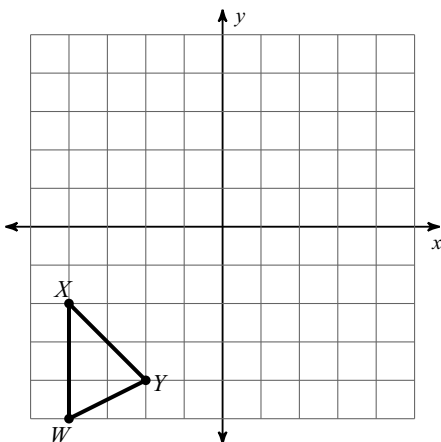

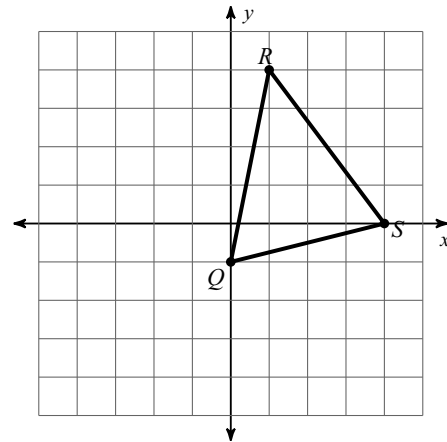13) reflection across $y = x$

14) reflection across $y = -x$

15) reflection across $x = -1$

16) reflection across the y-axis

Name_____

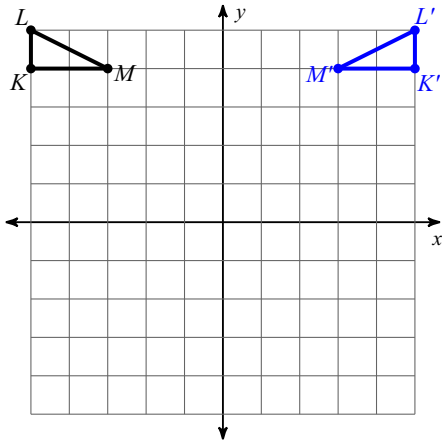## Unit 9.2 Reflections EXAMPLE

Write a rule to describe each transformation.

1) $P(-1, 4)$ to $P'(-1, -4)$

   reflection across the x-axis

2) $E(1, 3)$ to $E'(-1, 3)$
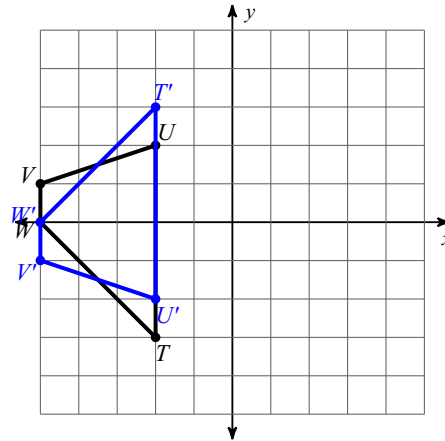
   reflection across the y-axis

3) $G(3, 4)$ to $G'(-3, 4)$

   reflection across the y-axis

4) $T(3, 5)$ to $T'(-1, 5)$
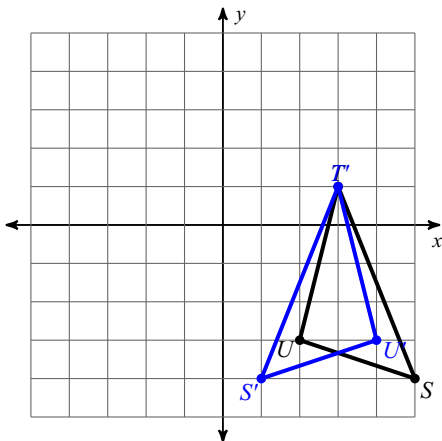
   reflection across $x = 1$

5)

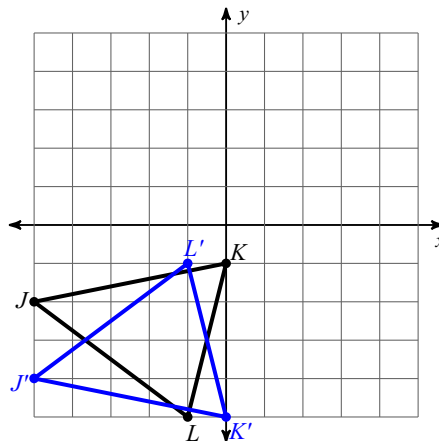reflection across the y-axis

6)

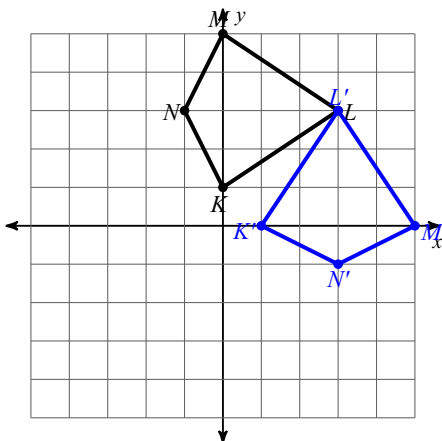reflection across the x-axis

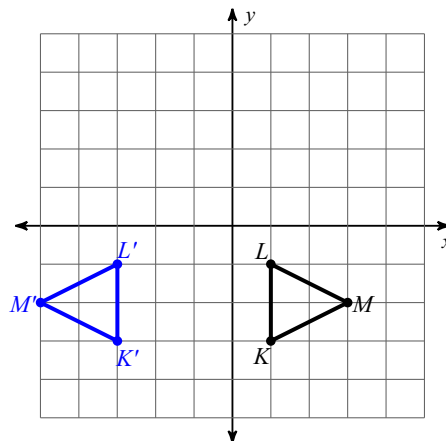7)

reflection across $x = 3$

8)

reflection across $y = -3$
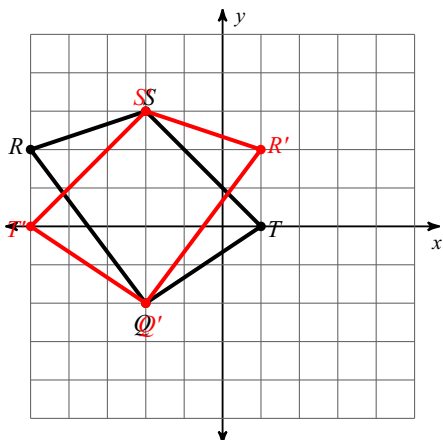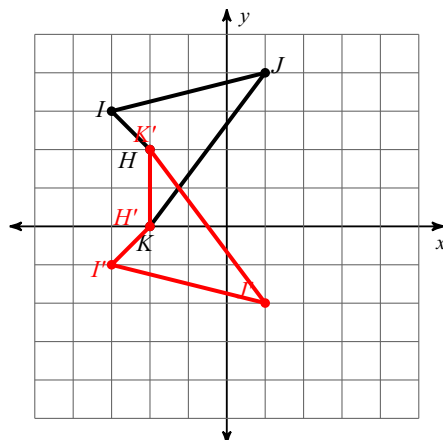
9)

reflection across $y = x$

10)

reflection across $x = -1$

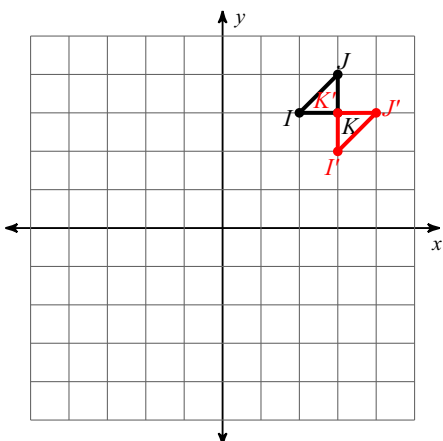# Graph the image of the figure using the transformation given.
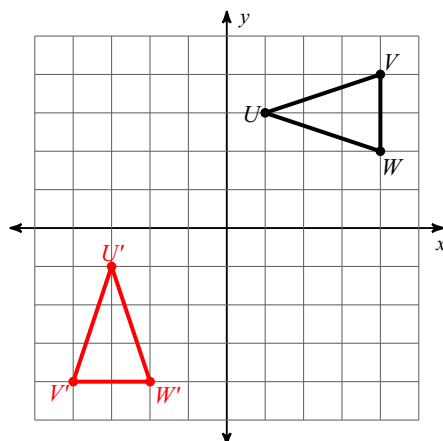
11) reflection across $x = -2$
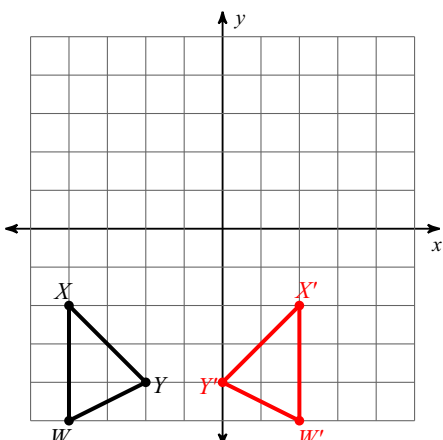
12) reflection across $y = 1$

13) reflection across $y = x$

14) reflection across $y = -x$

15) reflection across $x = -1$

16) reflection across the y-axis