Secondary Math 1 Geometry Name_____

Unit 10.3 worksheet Reflections

Period____

Write a rule to describe each transformation.

1) $D(5, -3)$ to $D'(5, 3)$

reflection across the x-axis

2) $I(2, -1)$ to $I'(2, -3)$

reflection across $y = -2$

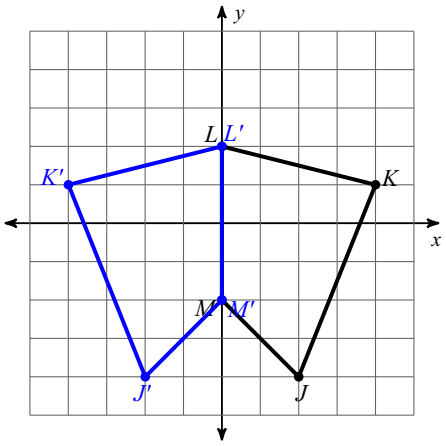
3) $A(4, -2)$ to $A'(2, -2)$

reflection across $x = 3$

4) $D(-5, 0)$ to $D'(3, 0)$

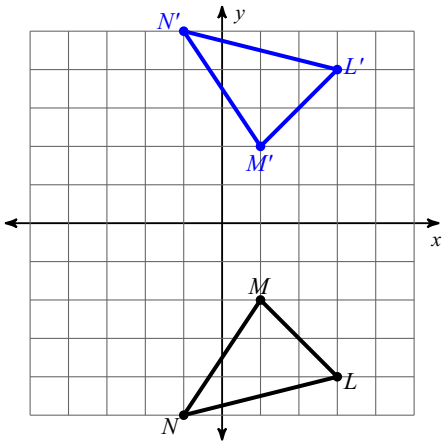
reflection across $x = -1$

5)



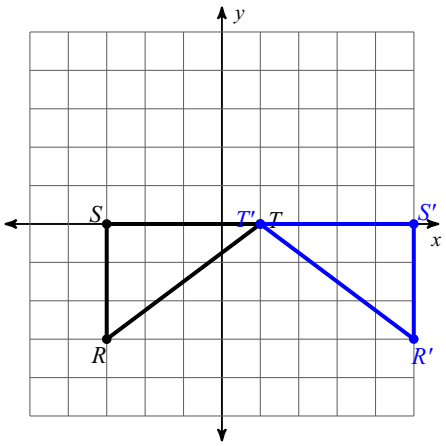
reflection across the y-axis

6)



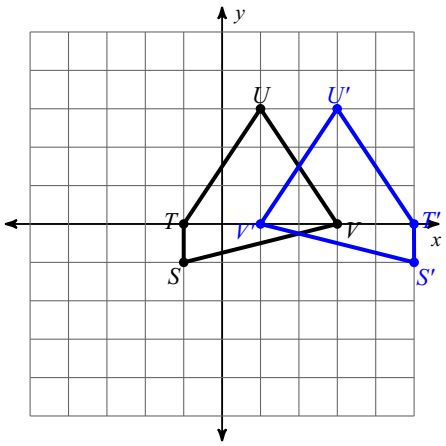
reflection across the x-axis

7)



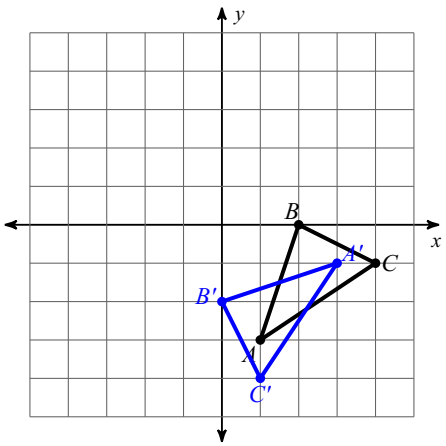
reflection across $x = 1$

8)



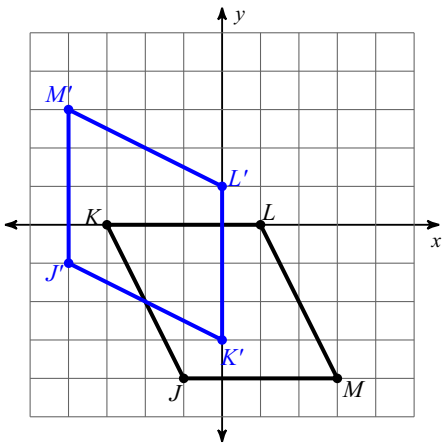
reflection across $x = 2$

9)



reflection across $y = -x$

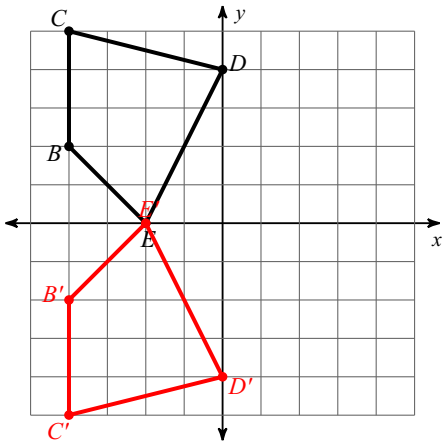
10)



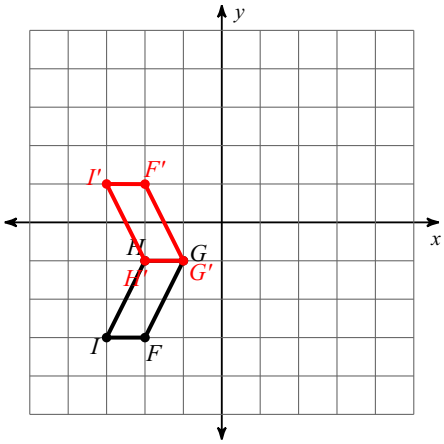
reflection across $y = x$

Graph the image of the figure using the transformation given.

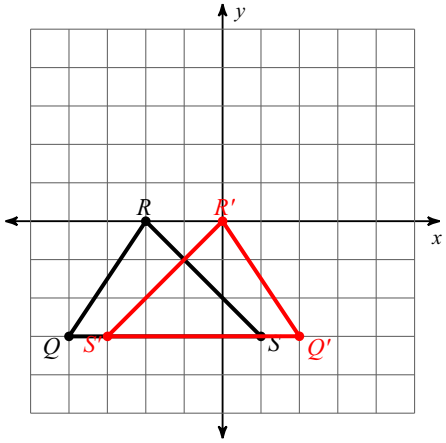
11) reflection across the x-axis



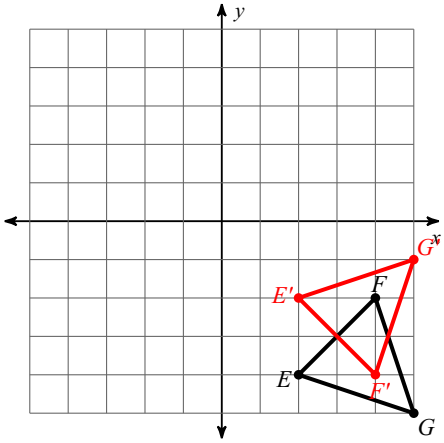
12) reflection across $y = -1$



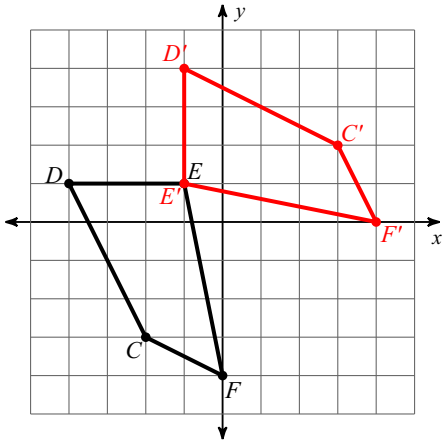
13) reflection across $x = -1$



14) reflection across $y = -3$



15) reflection across $y = -x$



16) reflection across $y = x$