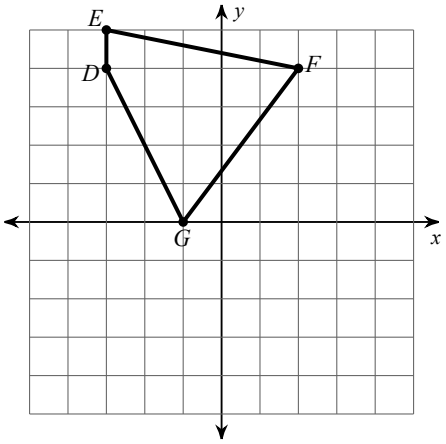
Honors Geometry Name_____

More Transformation Practice

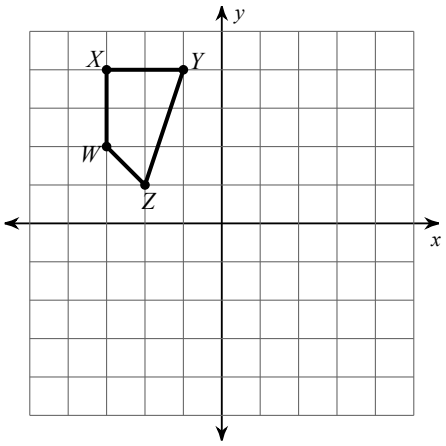
Date_____

Graph the image based on the given pre-image and transformation. Label using primes.

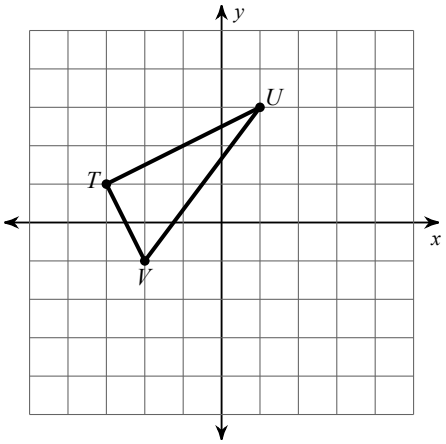
1) reflection across $y = x$



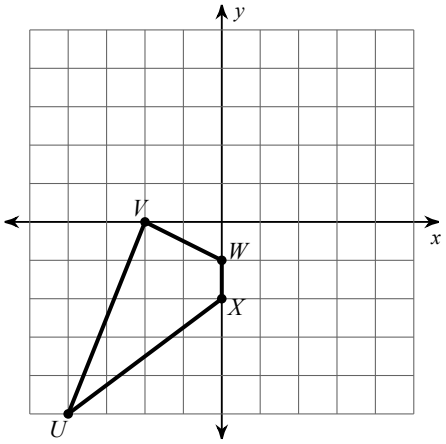
2) rotation 90° counterclockwise about the origin



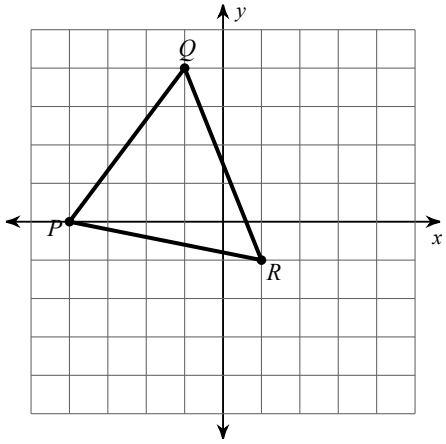
3) rotation 90° counterclockwise about the origin



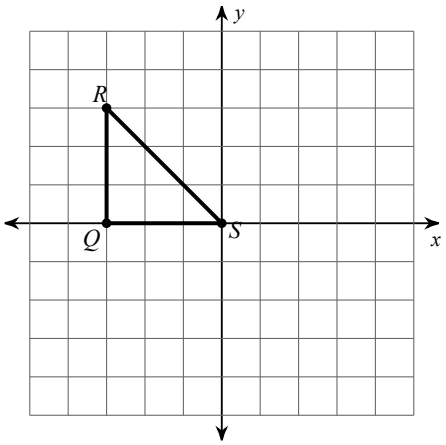
4) reflection across the y-axis



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

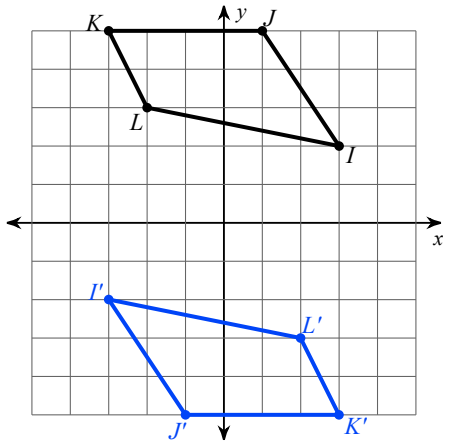


6) translation: $(x, y) \rightarrow (x + 2, y - 2)$

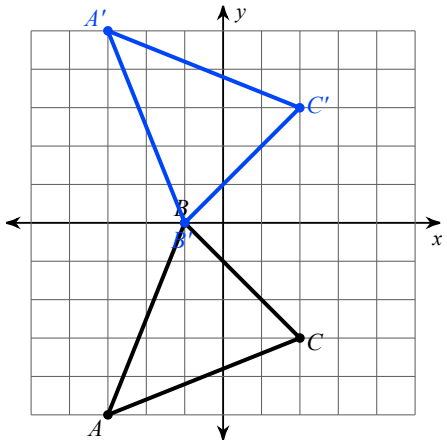


First, identify whether each shows a translation, reflection, or rotation. If a translation, write the rule in arrow notation. If a reflection, give the line of reflection. If a rotation, give the degree and direction.

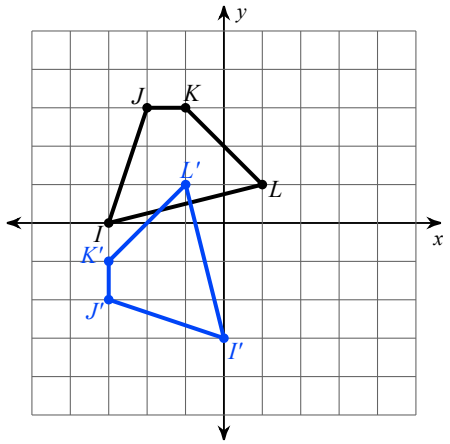
7)



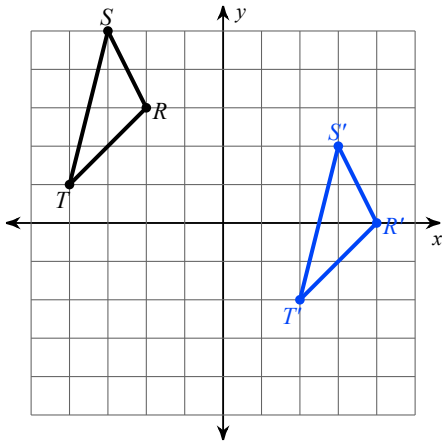
8)



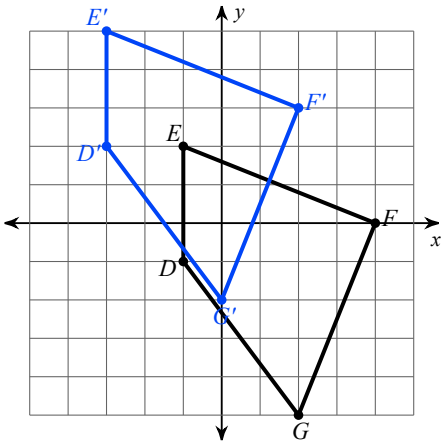
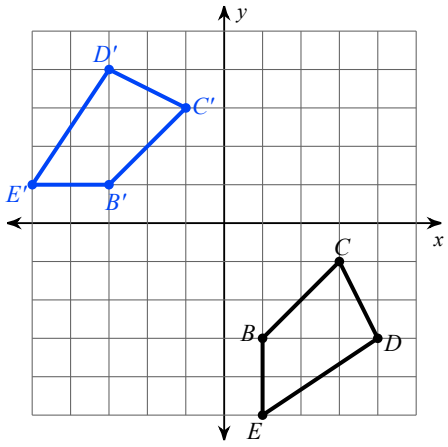
9)



10)



11)



12)