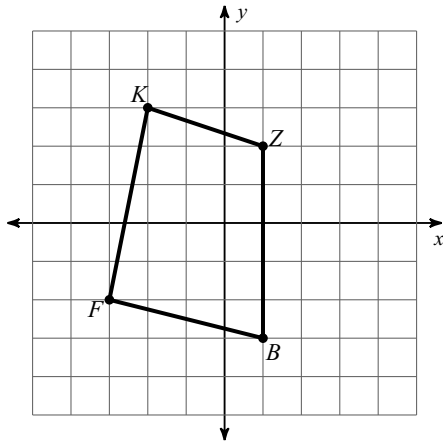


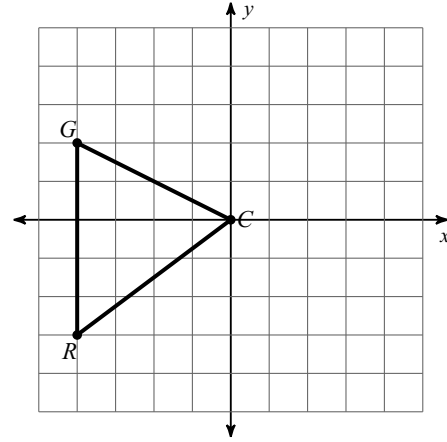
Transformations

Graph the image of the figure using the transformation given.

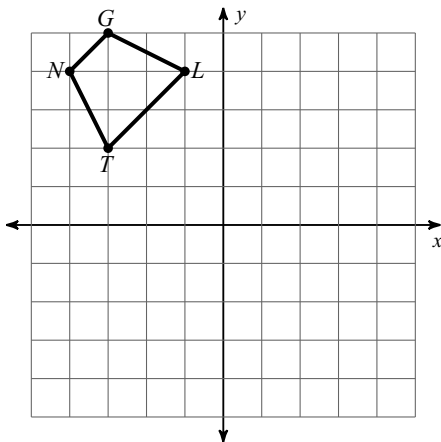
1) translation: $(x, y) \rightarrow (x + 3, y)$



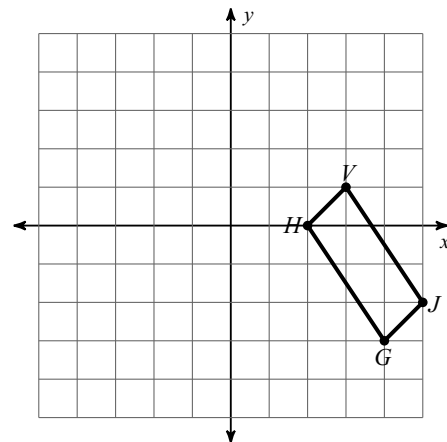
2) reflection across the y-axis



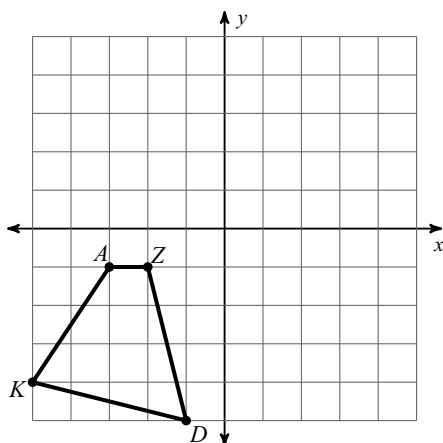
3) rotation 90° counterclockwise about the origin



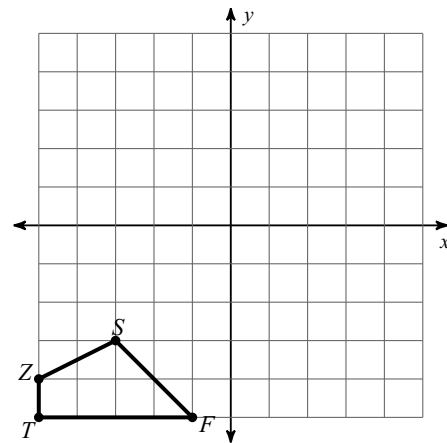
4) translation: $(x, y) \rightarrow (x, y + 2)$



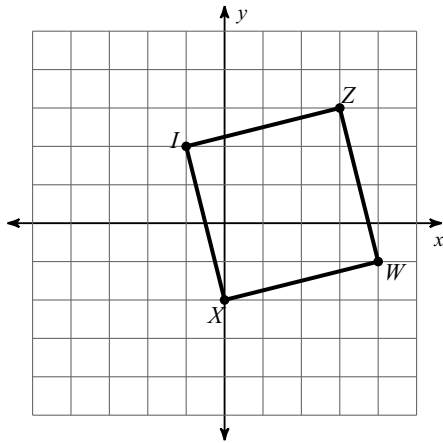
5) reflection across $y = -x$



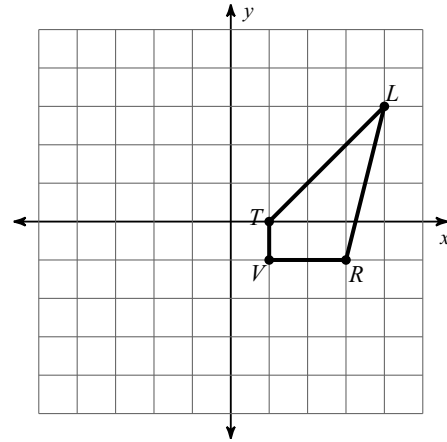
6) rotation 180° about the origin



7) reflection across $y = x$

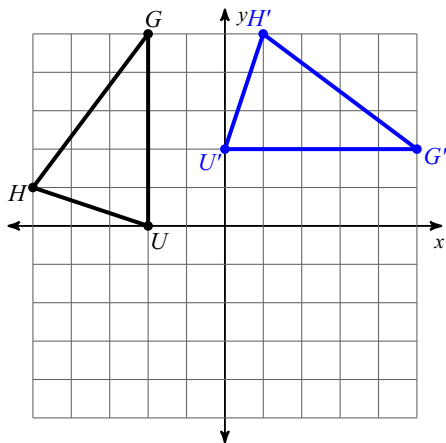


8) rotation 90° counterclockwise about the origin

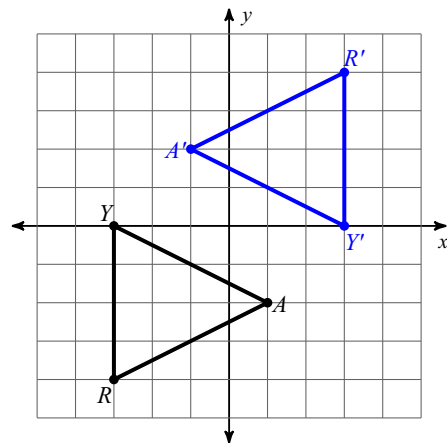


Write a rule to describe each transformation.

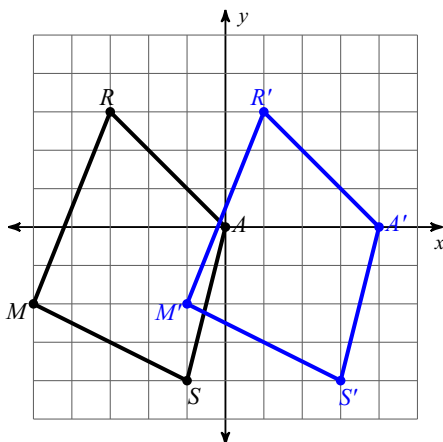
9)



10)



11)



12)

