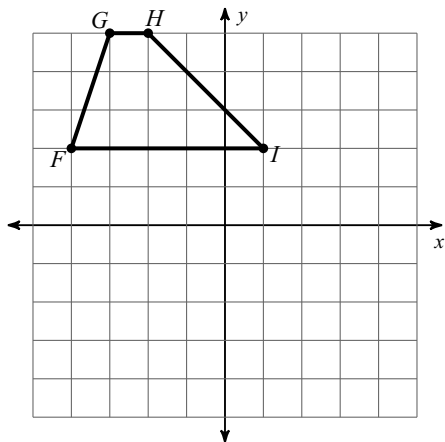


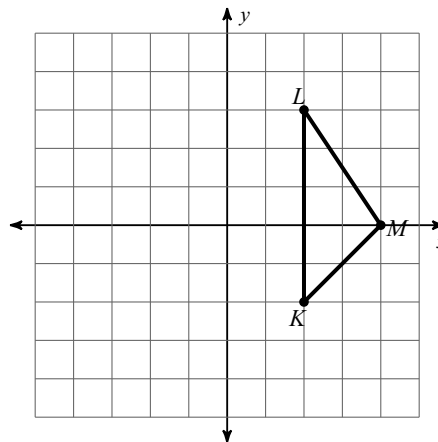
Transformations Practice Assignment

Graph the image of the figure using the transformation given.

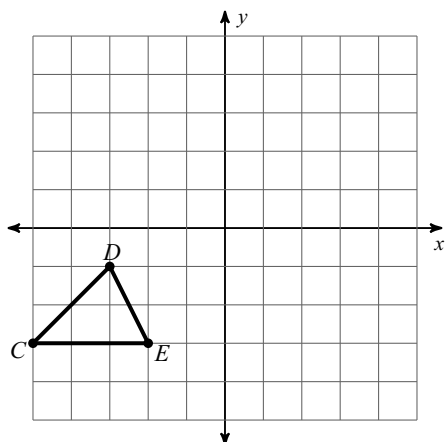
1) translation: $(x, y) \rightarrow (x + 3, y - 7)$



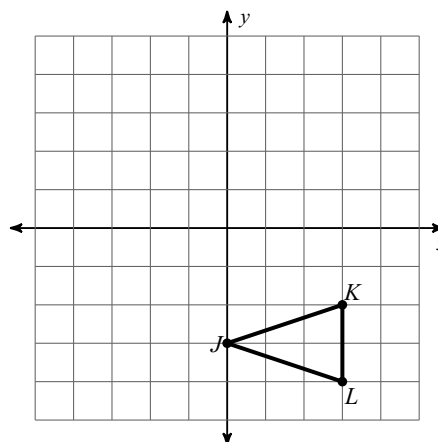
2) translation: $(x, y) \rightarrow (x - 7, y)$



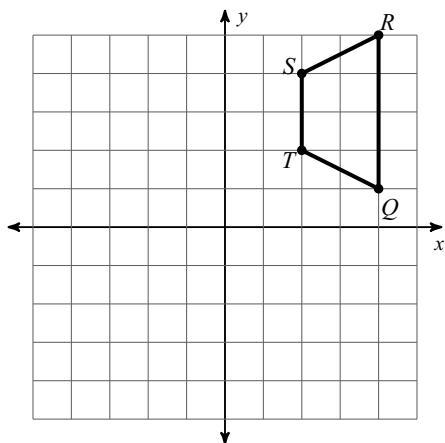
3) reflection across the y-axis



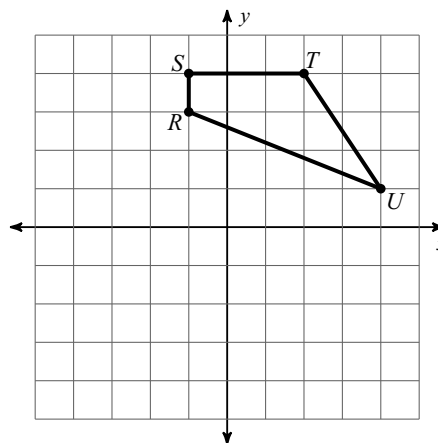
4) reflection across the x-axis



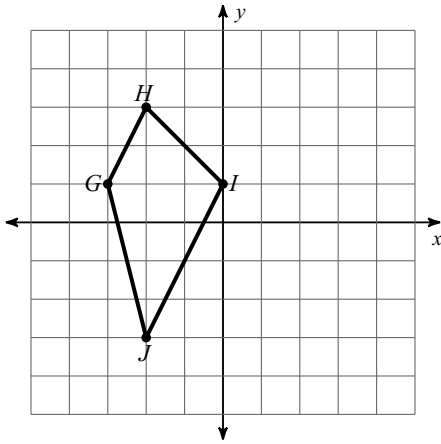
5) reflection across $y = 1$



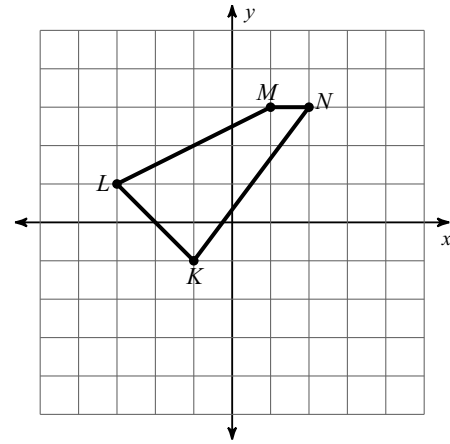
6) reflection across $x = 2$



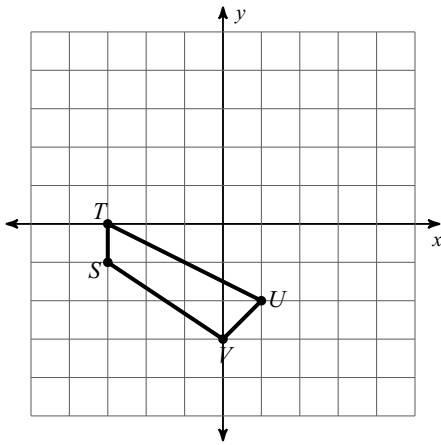
7) reflection across $y = -x$



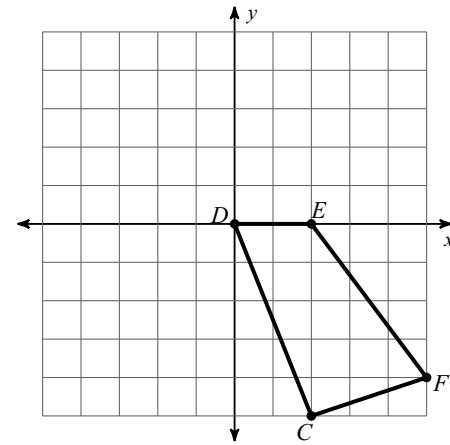
8) reflection across $y = x$



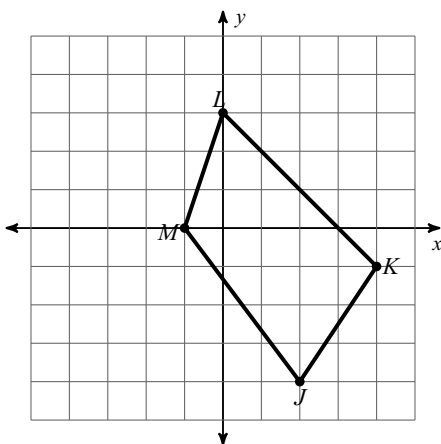
9) rotation 180° about the origin



10) rotation 90° clockwise about the origin



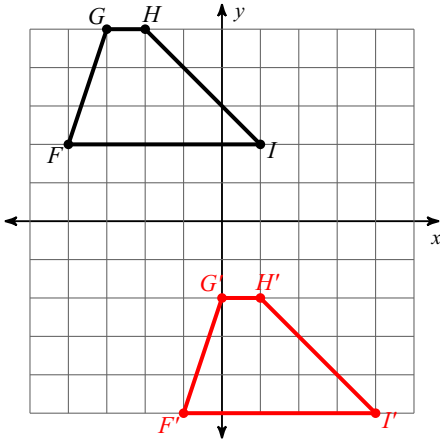
11) rotation 90° counterclockwise about the origin



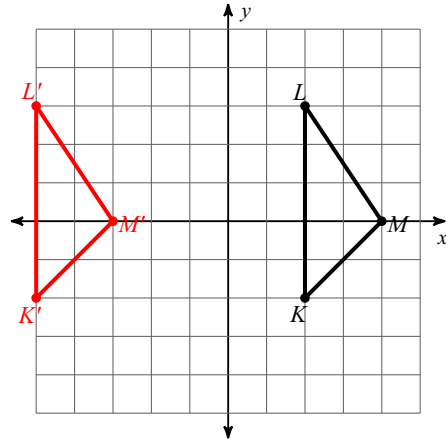
Transformations Practice Assignment

Graph the image of the figure using the transformation given.

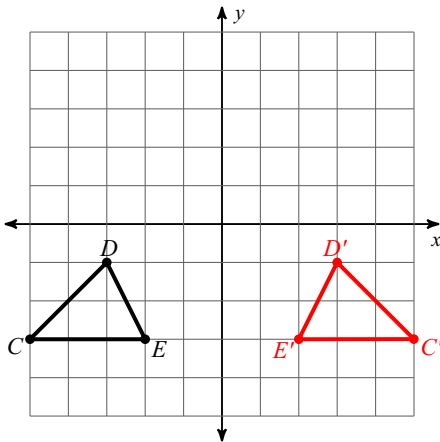
1) translation: $(x, y) \rightarrow (x + 3, y - 7)$



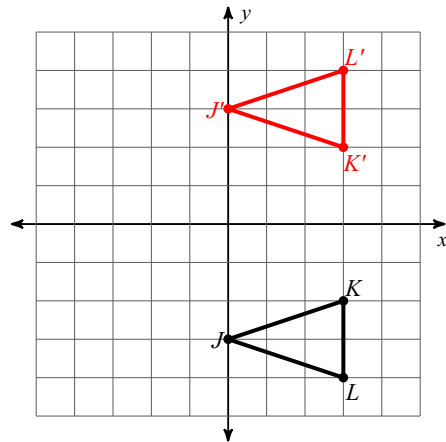
2) translation: $(x, y) \rightarrow (x - 7, y)$



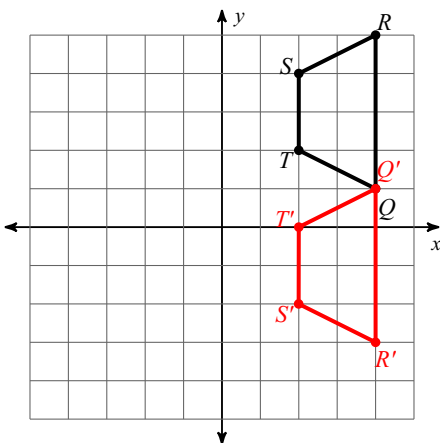
3) reflection across the y-axis



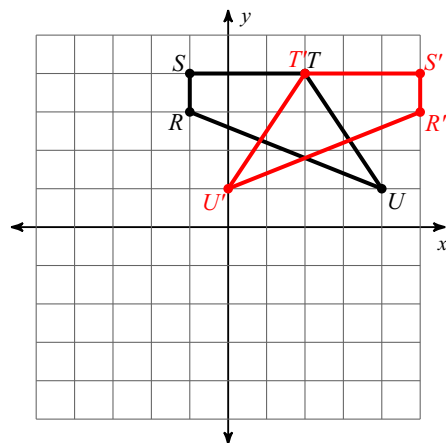
4) reflection across the x-axis



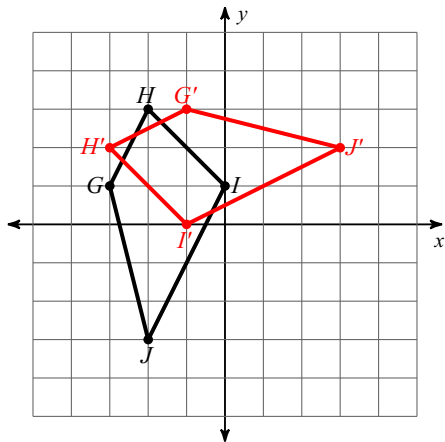
5) reflection across $y = 1$



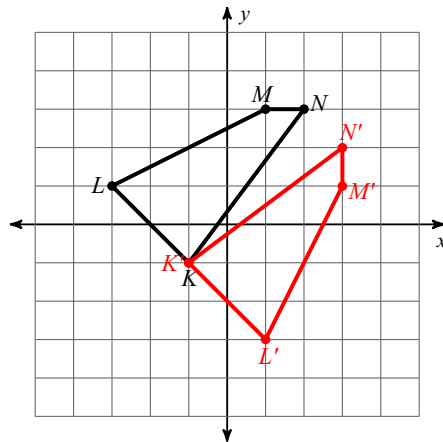
6) reflection across $x = 2$



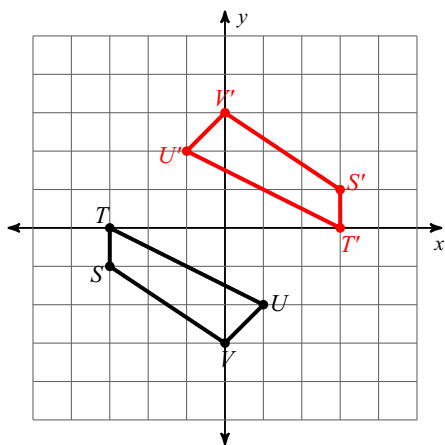
7) reflection across $y = -x$



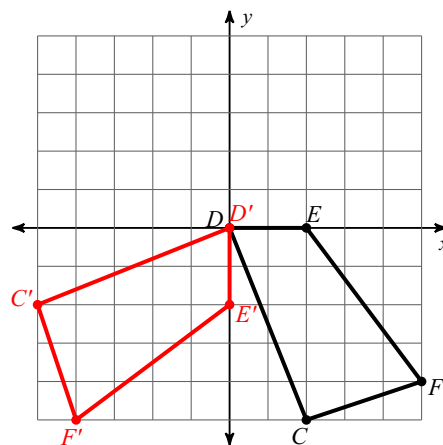
8) reflection across $y = x$



9) rotation 180° about the origin



10) rotation 90° clockwise about the origin



11) rotation 90° counterclockwise about the origin

