

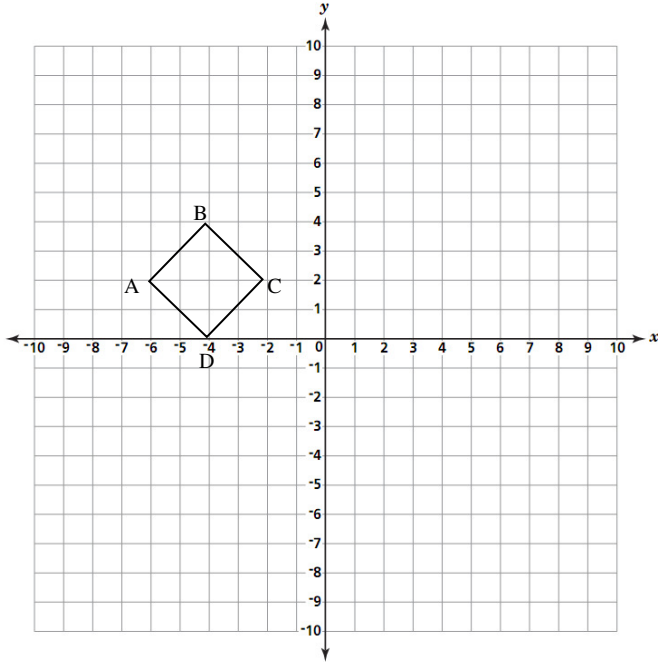
Name _____

Homework # _____

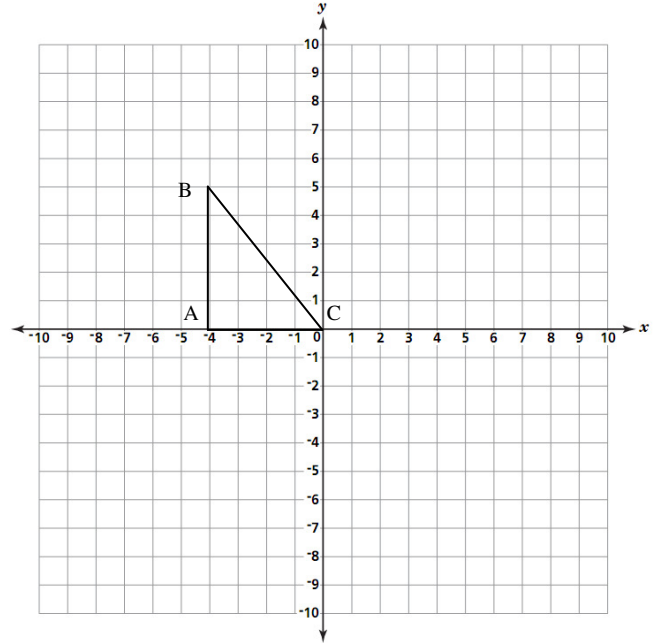
Reflections

Draw the image of each transformation on the graph. Be sure to label the image.

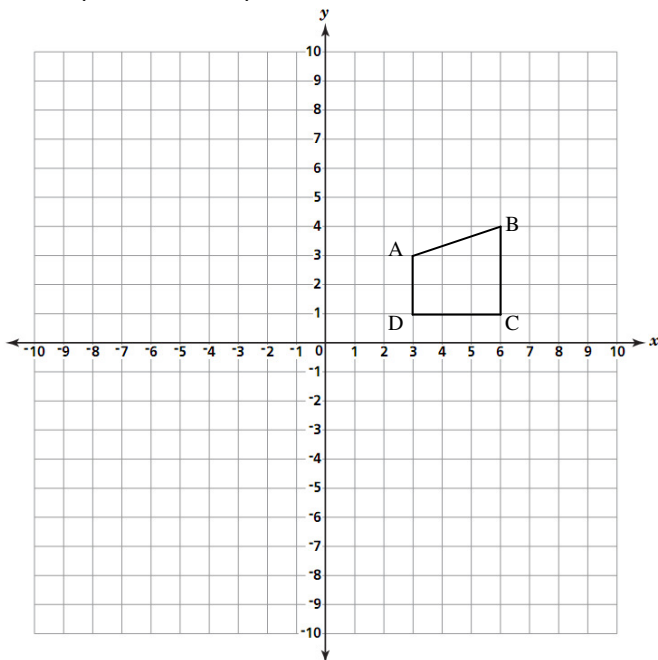
1. Reflect the polygon in the x-axis, then translate the image using $(x, y) \rightarrow (x + 5, y + 5)$.



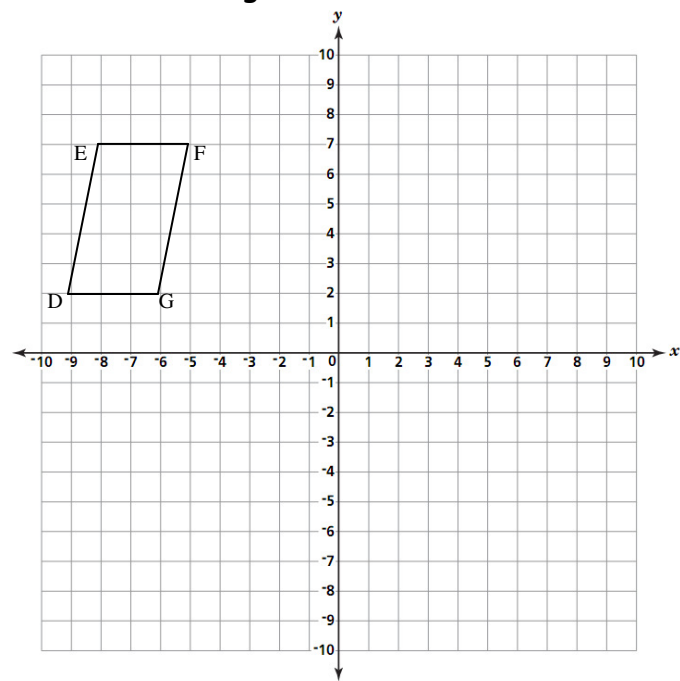
3. Reflect the figure in the line $x = 2$.



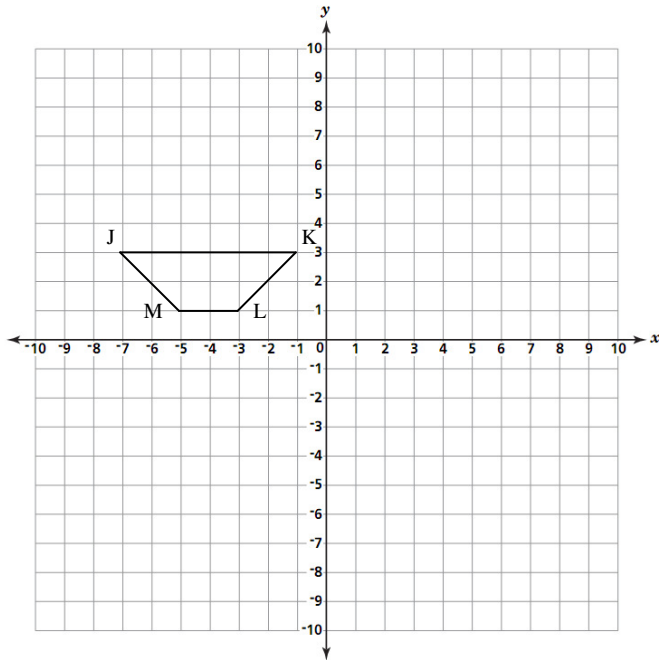
2. Reflect the polygon in the y-axis, then translate the image using $(x, y) \rightarrow (x + 4, y - 3)$.



4. Reflect the figure in the line $x = -4$.

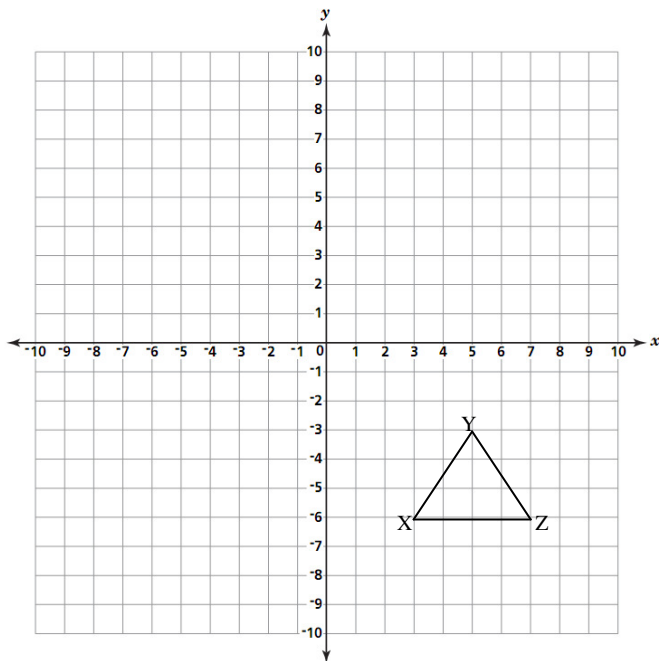


5. Find the coordinates of the image after a reflection of the figure in the line $y = 1$. Draw and label the image on the graph.



J' (____, ____) K' (____, ____) L' (____, ____) M' (____, ____)

6. Find the coordinates of the image after a reflection of the figure in the line $y = -2$. Draw and label the image on the graph.



X' (____, ____) Y' (____, ____) Z' (____, ____)

7. Draw all the lines of symmetry for each figure.

