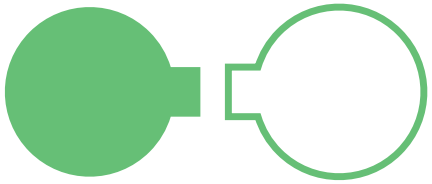
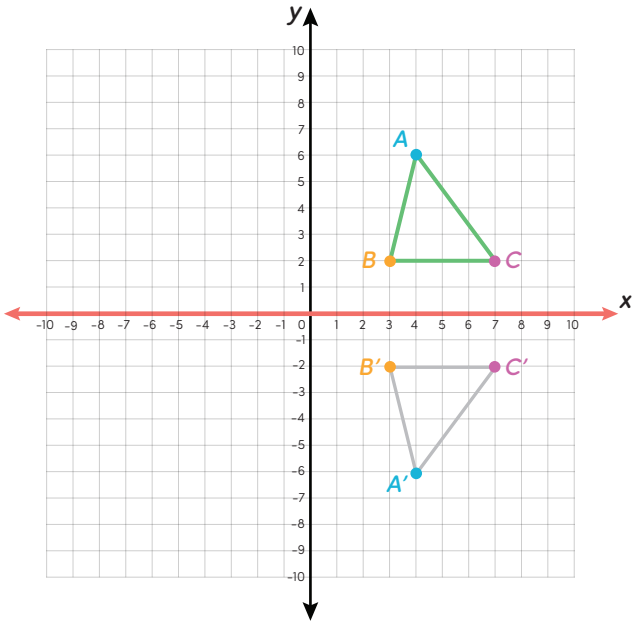
Reflections on the Coordinate Plane

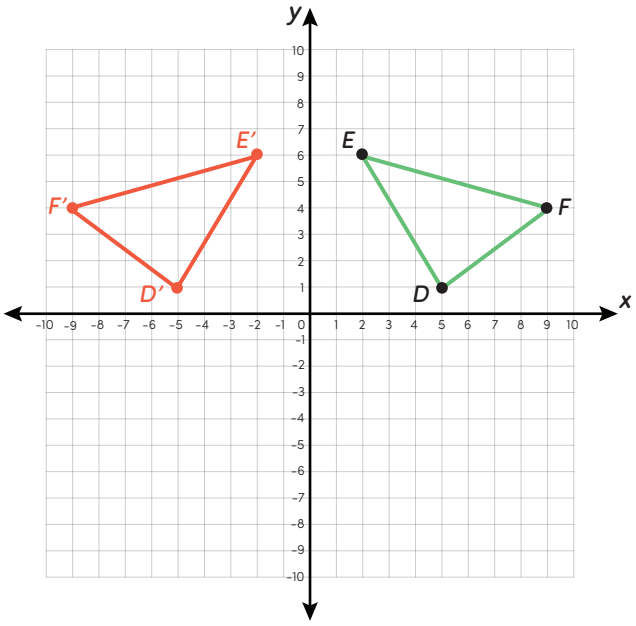


A **reflection** flips a figure over a line to create a mirror image. Try it! Graph the image of each figure by completing the given reflection. The first problem has been done for you.

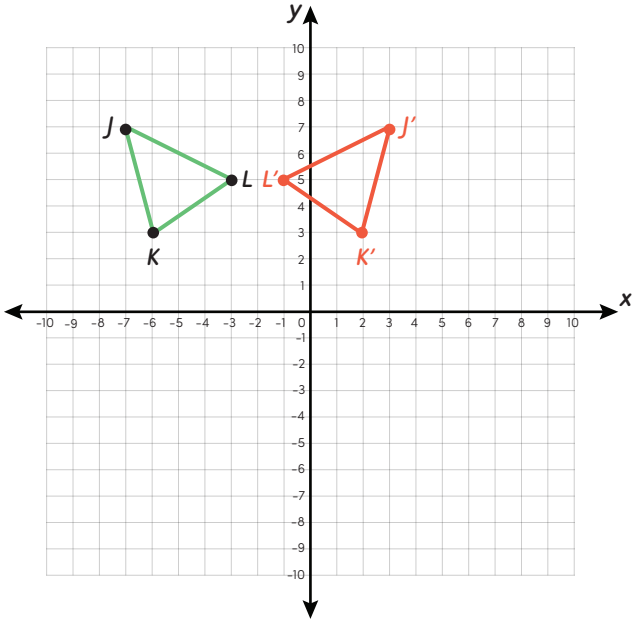
Graph the image of $\triangle ABC$ after a reflection across the x-axis.



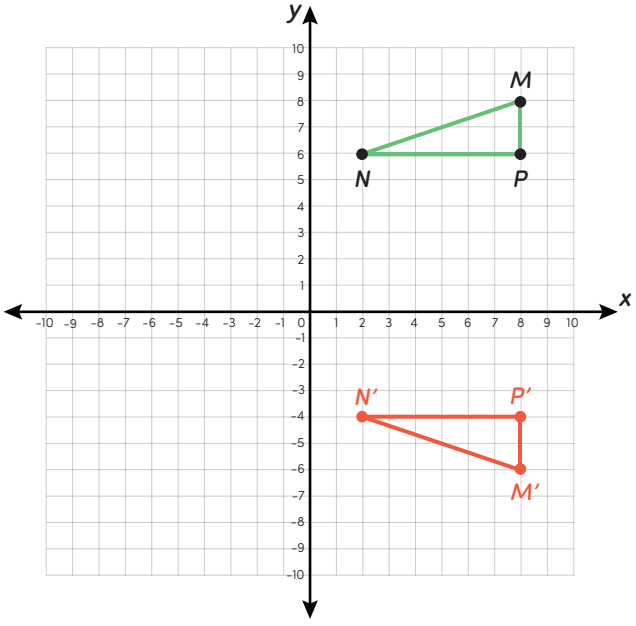
Graph the image of $\triangle DEF$ after a reflection across the y-axis.



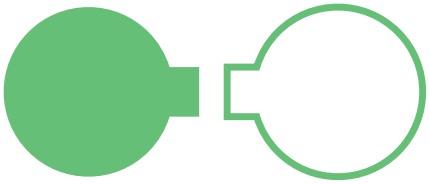
Graph the image of $\triangle JKL$ after a reflection over the line $x = -2$.



Graph the image of $\triangle MNP$ after a reflection over the line $y = 1$.

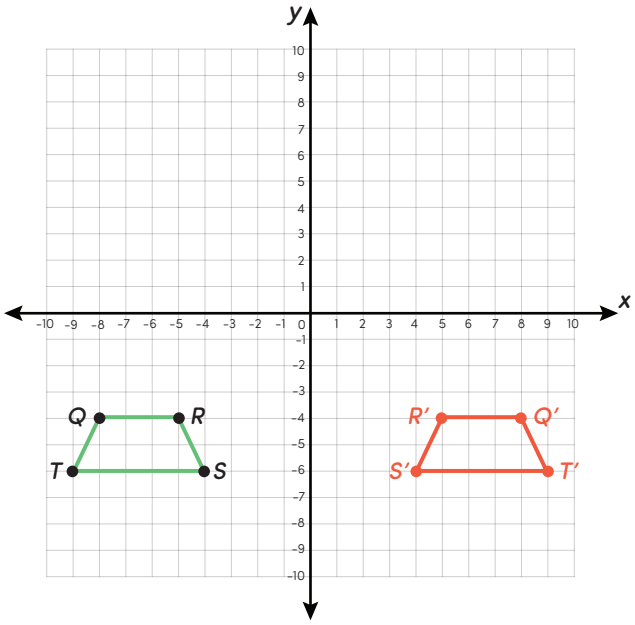


Reflections on the Coordinate Plane

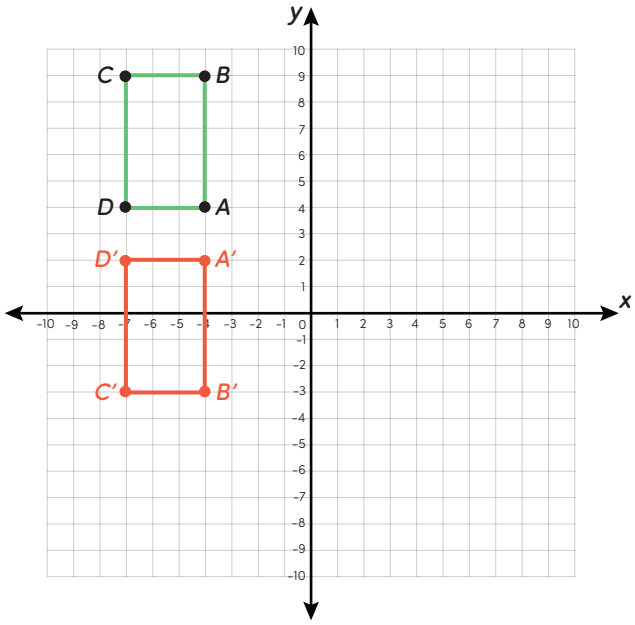


Keep going! Graph the image of each figure by completing the given reflection.

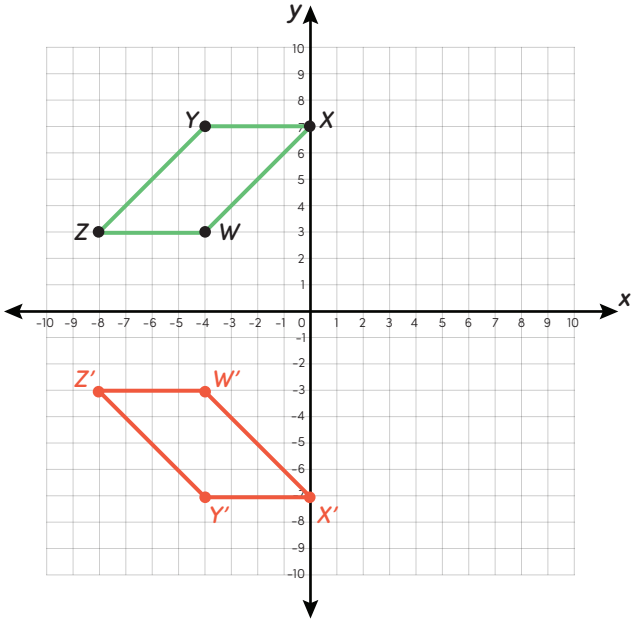
Graph the image of trapezoid *QRST* after a reflection across the *y*-axis.



Graph the image of rectangle *ABCD* after a reflection over the line $y = 3$.



Graph the image of parallelogram *WXYZ* after a reflection across the *x*-axis.



Graph the image of trapezoid *JKLM* after a reflection over the line $x = 2$.