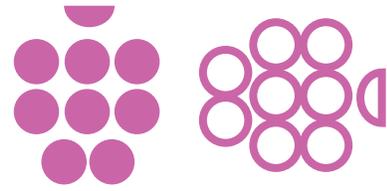
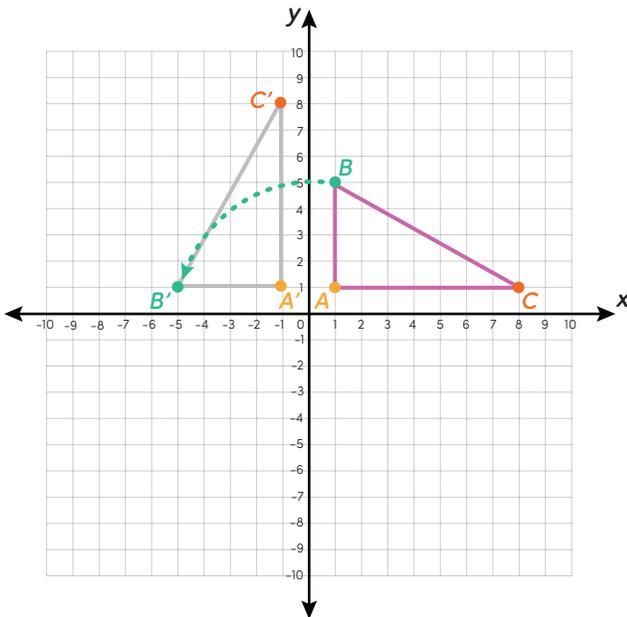


Rotations on the Coordinate Plane

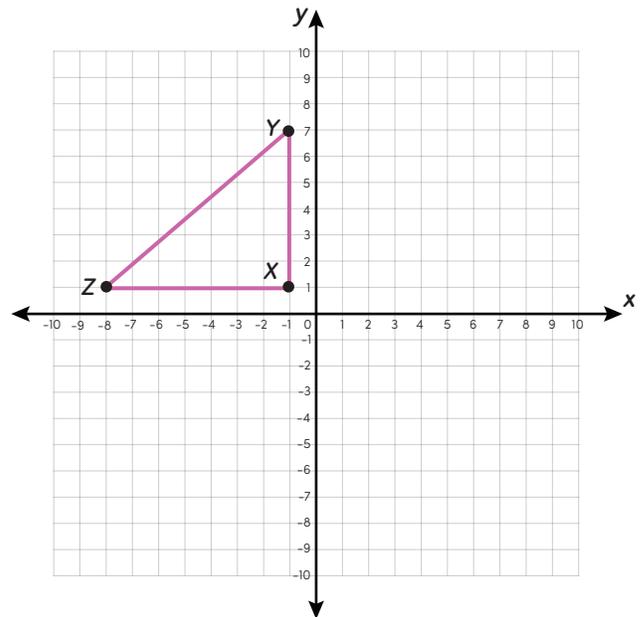


A **rotation** turns a figure around a fixed point. Try it! Graph the image of each figure by completing the given rotation. The first problem has been done for you.

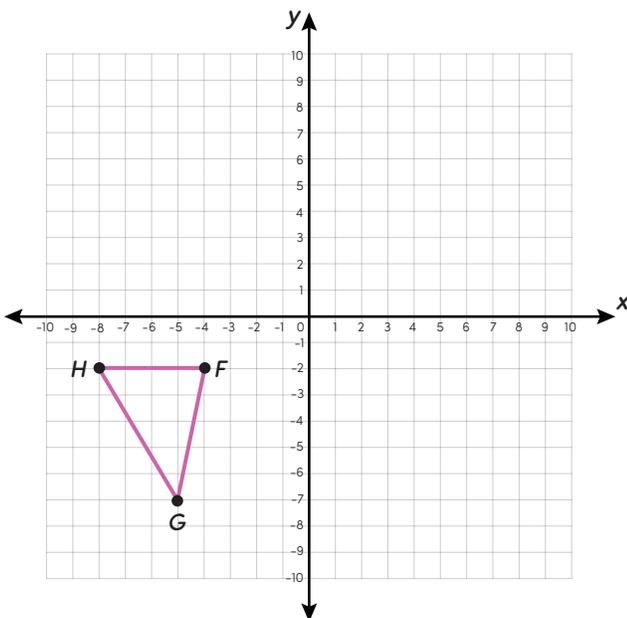
Graph the image of $\triangle ABC$ after a rotation 90° counterclockwise around the origin.



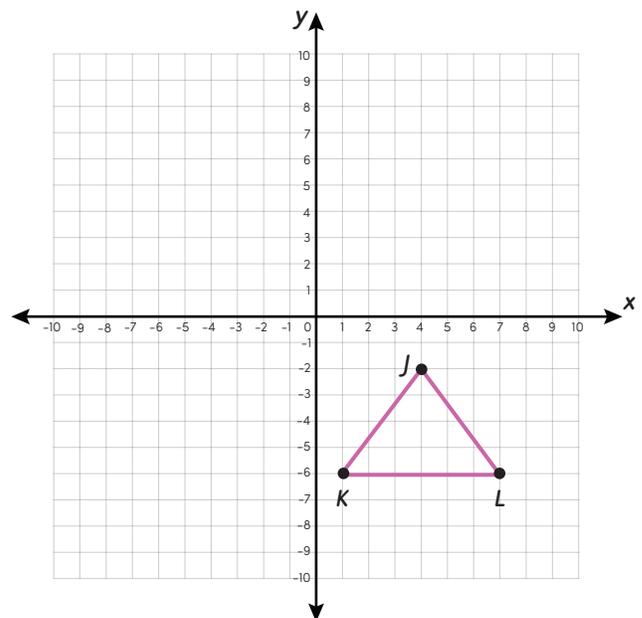
Graph the image of $\triangle XYZ$ after a rotation 180° counterclockwise around the origin.



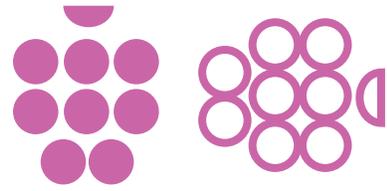
Graph the image of $\triangle FGH$ after a rotation 90° counterclockwise around the origin.



Graph the image of $\triangle JKL$ after a rotation 270° counterclockwise around the origin.

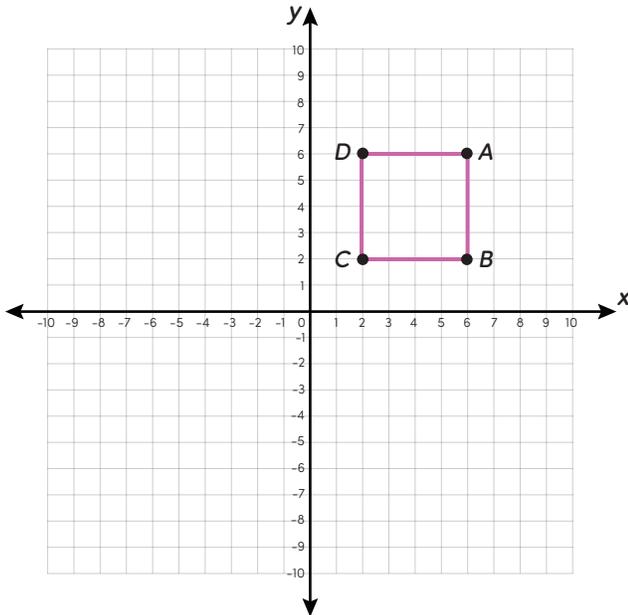


Rotations on the Coordinate Plane

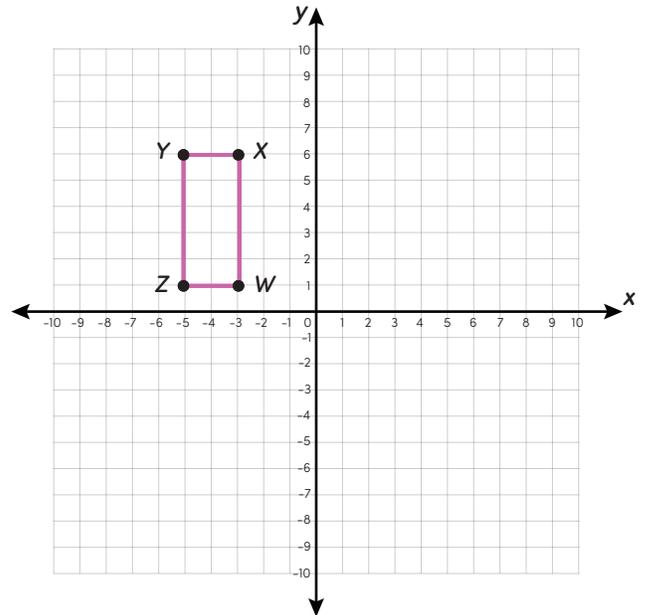


Keep going! Graph the image of each figure by completing the given rotation.

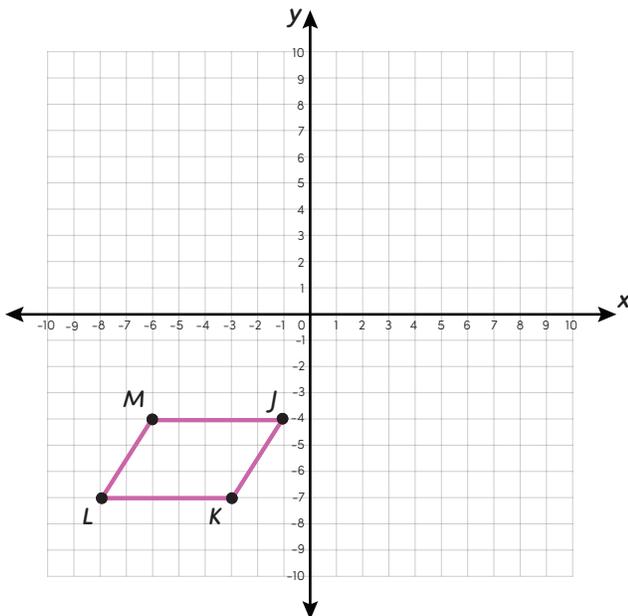
Graph the image of square $ABCD$ after a rotation 180° counterclockwise around the origin.



Graph the image of rectangle $WXYZ$ after a rotation 270° counterclockwise around the origin.



Graph the image of parallelogram $JKLM$ after a rotation 90° counterclockwise around the origin.



Graph the image of trapezoid $PQRS$ after a rotation 180° counterclockwise around the origin.

