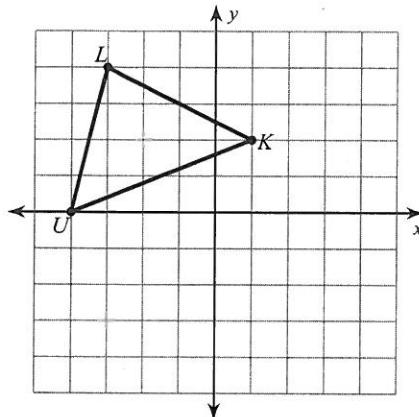


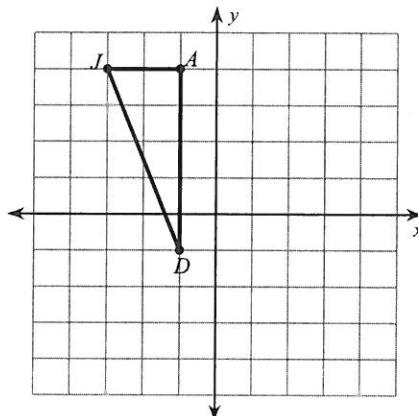
Rotations

Graph the image of the figure using the transformation given.

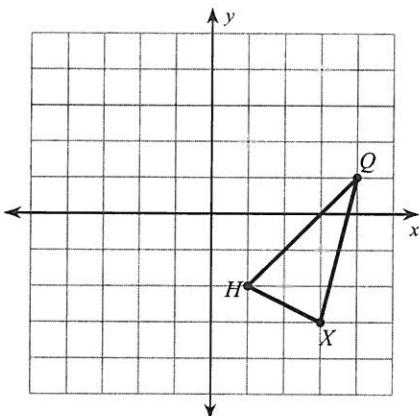
- 1) rotation 90° counterclockwise about the origin



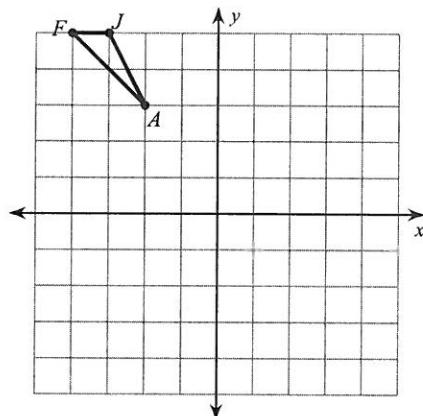
- 2) rotation 90° clockwise about the origin



- 3) rotation 90° counterclockwise about the origin

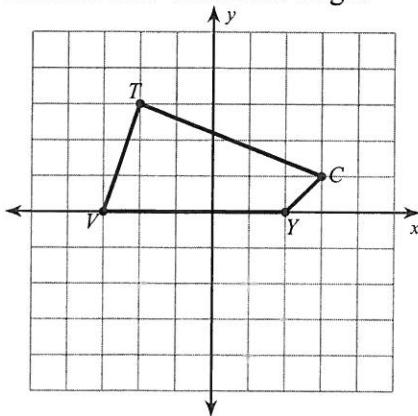


- 4) rotation 180° about the origin

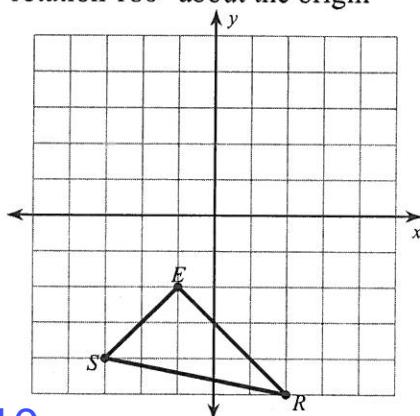


Find the coordinates of the vertices of each figure after the given transformation. Graph the final image.

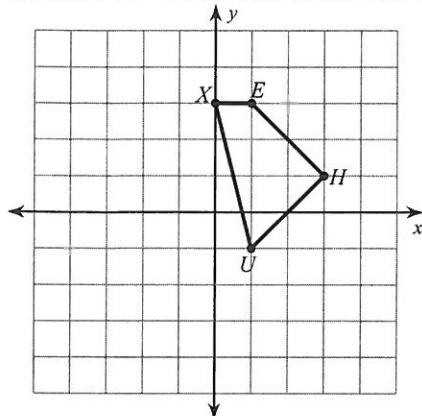
- 5) rotation 180° about the origin



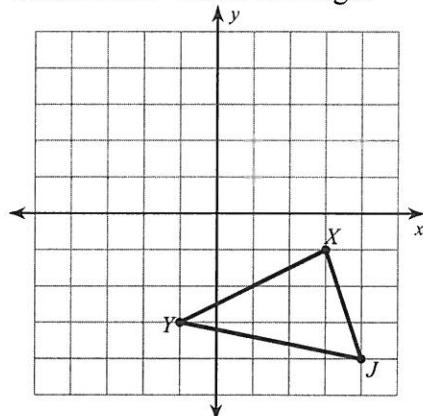
- 6) rotation 180° about the origin



7) rotation 90° clockwise about the origin

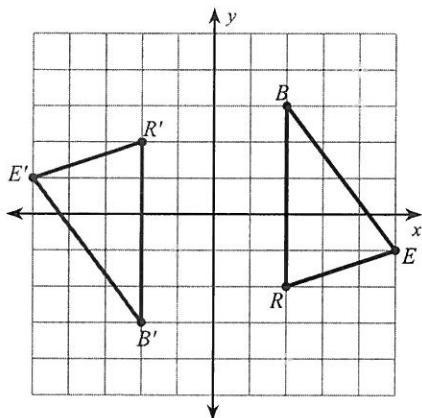


8) rotation 180° about the origin

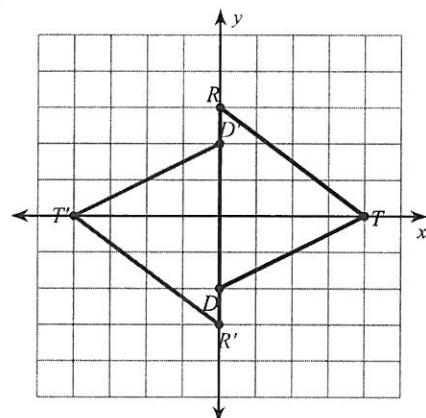


Write a rule to describe each transformation.

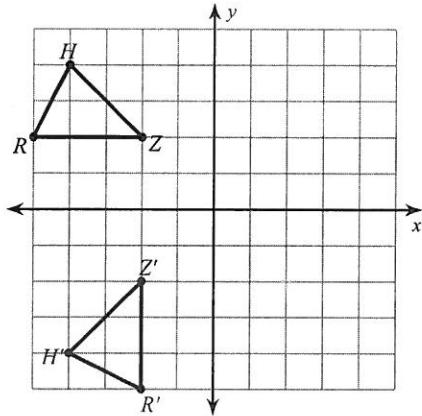
9)



10)



11)



12)

