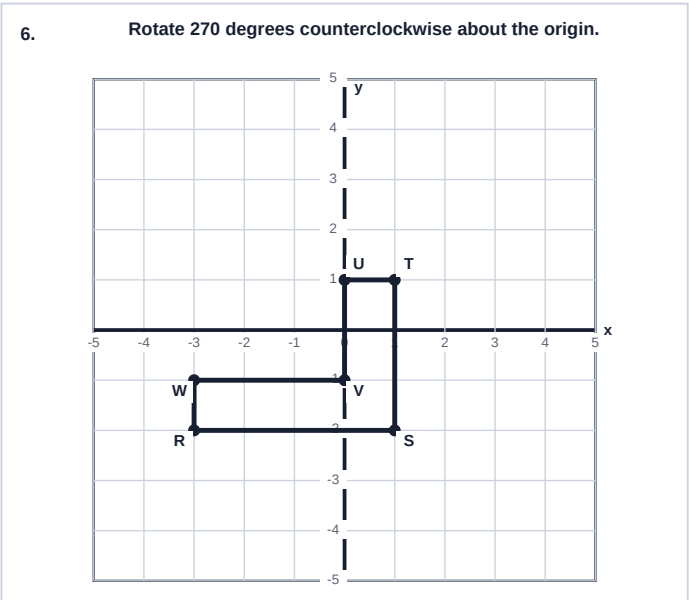
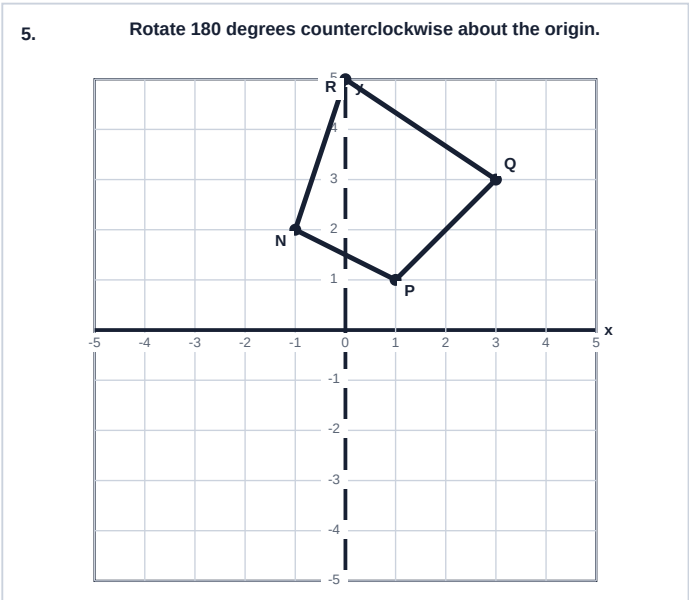
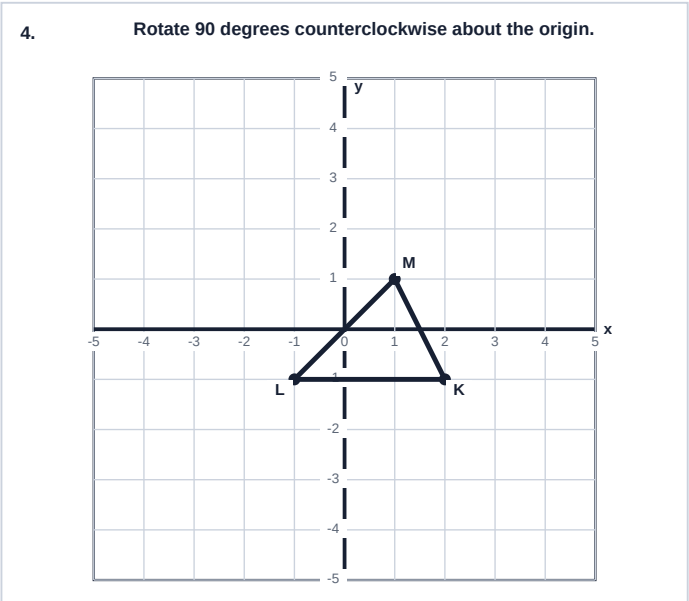
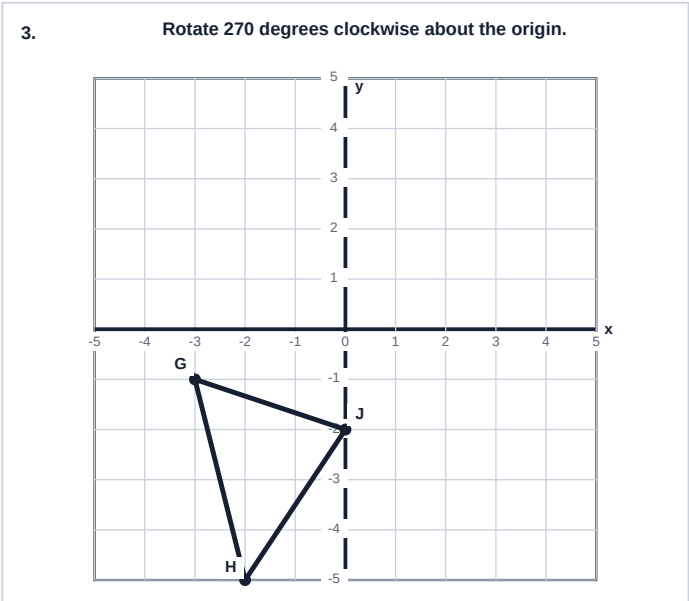
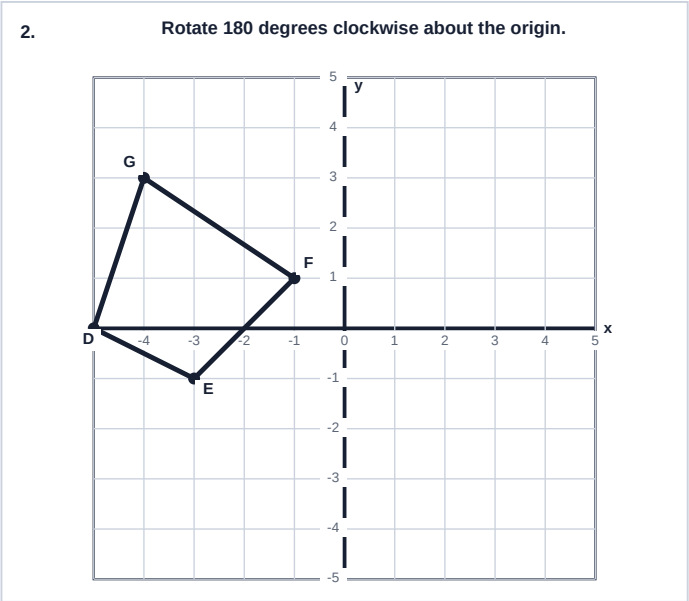
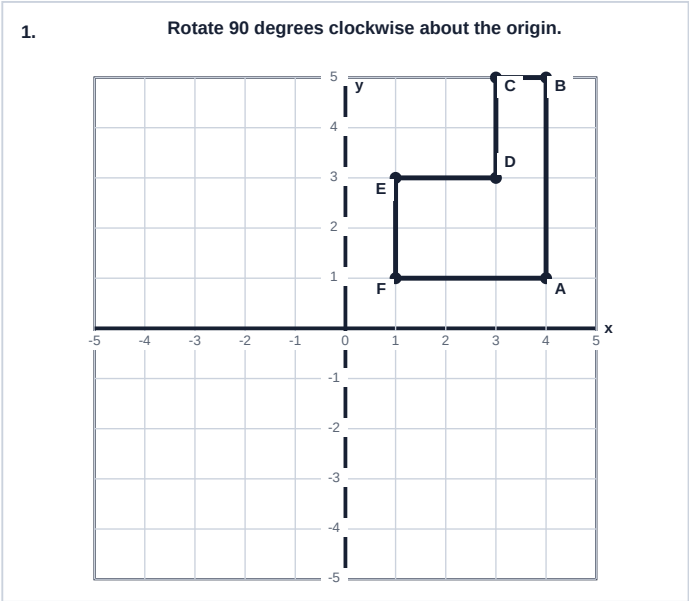


Coordinate Rotations

Rotate each labeled figure about the origin. Draw and label its image on the same grid.

Draw each image



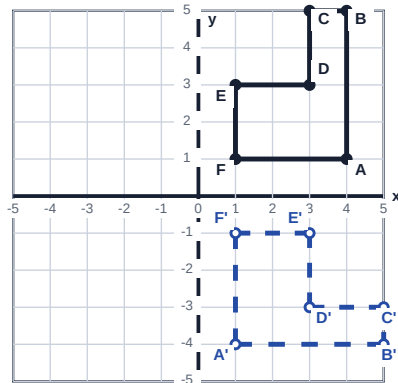
Coordinate Rotations

Worked Answer Key

Rotate each labeled figure about the origin. Draw and label its image on the same grid.

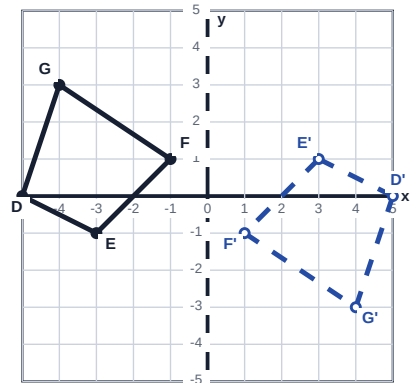
Solutions

1. Rotate 90 degrees clockwise about the origin.



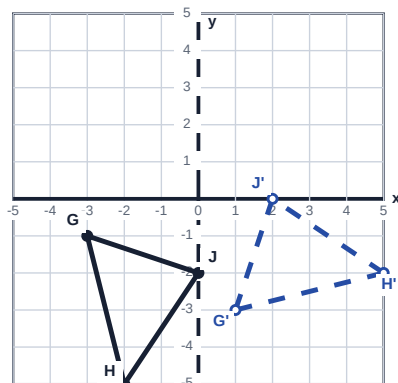
Rotate 90 degrees clockwise about the origin. A'(1, -4), B'(5, -4), C'(5, -3), D'(3, -3), E'(3, -1), F'(1, -1)

2. Rotate 180 degrees clockwise about the origin.



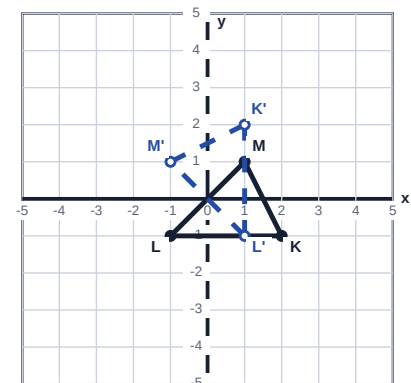
Rotate 180 degrees clockwise about the origin. D'(5, 0), E'(3, 1), F'(1, -1), G'(4, -3)

3. Rotate 270 degrees clockwise about the origin.



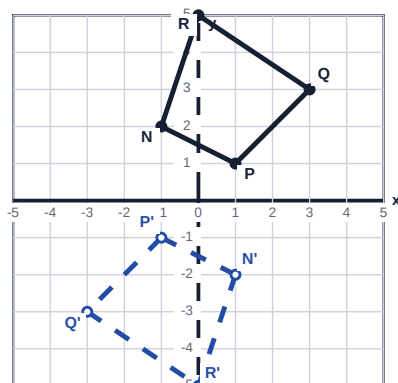
Rotate 270 degrees clockwise about the origin. G'(1, -3), H'(5, -2), J'(2, 0)

4. Rotate 90 degrees counterclockwise about the origin.



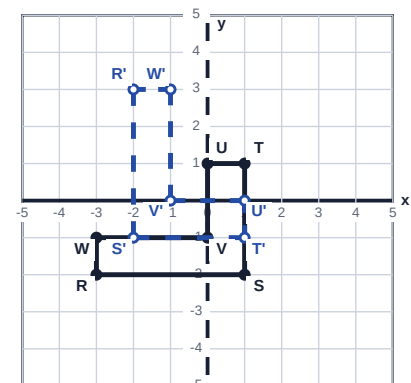
Rotate 90 degrees counterclockwise about the origin. K'(1, 2), L'(1, -1), M'(-1, 1)

5. Rotate 180 degrees counterclockwise about the origin.



Rotate 180 degrees counterclockwise about the origin. N'(1, -2), P'(-1, -1), Q'(-3, -3), R'(0, -5)

6. Rotate 270 degrees counterclockwise about the origin.



Rotate 270 degrees counterclockwise about the origin. R'(-2, 3), S'(-2, -1), T'(1, -1), U'(1, 0), V'(-1, 0), W'(-1, 3)