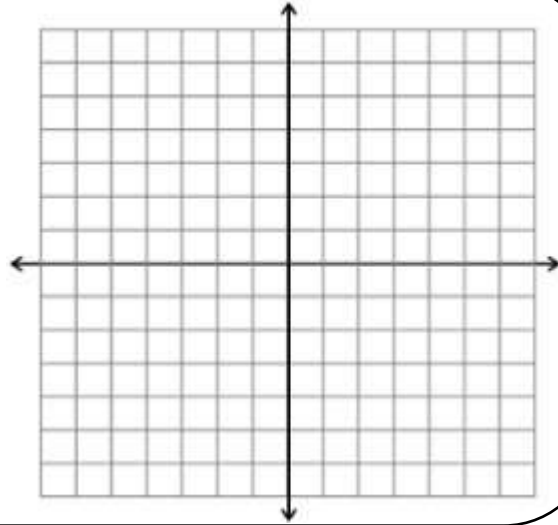# Rotations

*A rotation is a _____ around a fixed point (called the center of rotation) through a specified _____ in a specified _____.*

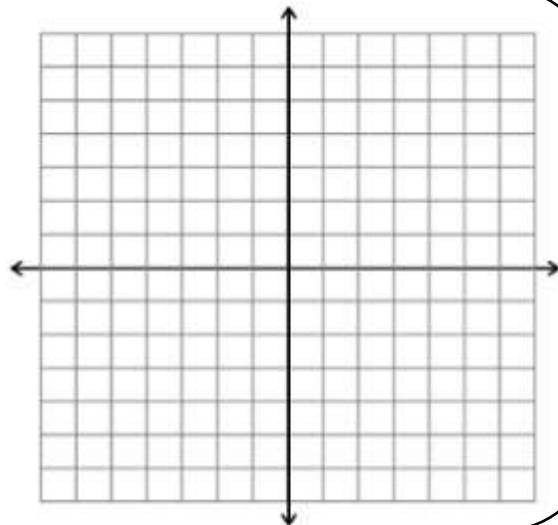Rotation CCW 90° about origin

$(x, y) \rightarrow (\quad , \quad )$

<u>Pre-image</u>     <u>Image</u>

Rotation CCW 180° about origin

$(x, y) \rightarrow (\quad , \quad )$

<u>Pre-image</u>     <u>Image</u>

Rotation CCW 270° about origin

$(x, y) \rightarrow (\quad , \quad )$

<u>Pre-image</u>     <u>Image</u>