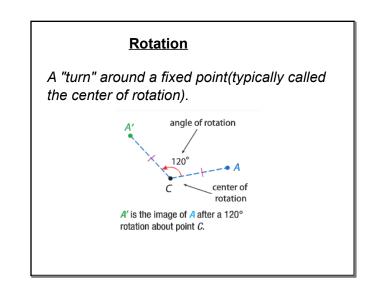
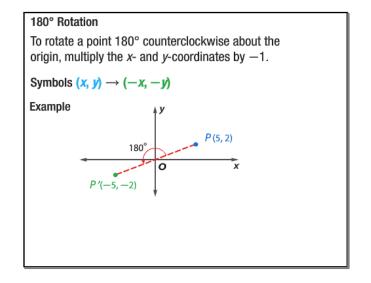
<u>9 - 3</u>

Rotation



Rotations in the Coordinate Plane 90° Rotation To rotate a point 90° counterclockwise about the origin, multiply the *y*-coordinate by -1 and then interchange the *x*- and *y*-coordinates. Symbols $(x, y) \rightarrow (-y, x)$ Example $P'(-2, 5) \xrightarrow{90^\circ} P(5, 2) \xrightarrow{90^\circ} x$



270° Rotation

To rotate a point 270° counterclockwise about the origin, multiply the *x*-coordinate by -1 and then interchange the *x*- and *y*-coordinates.

