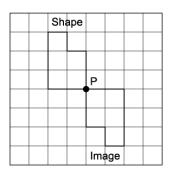
## **Activity 8 Assessment**Rotating 2-D Shapes up to 360°

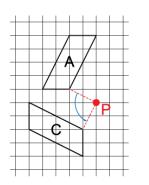
## Applying and Visualizing Rotations on a Grid

Identifies rotation that takes a shape to its image on a grid (point of rotation on shape).



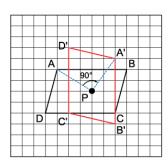
"I know the shape was rotated 180° clockwise about vertex P."

Identifies rotation that takes a shape to its image on a grid (point of rotation off shape).



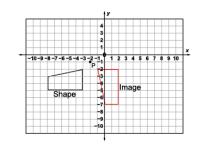
"I know the shape was rotated 90° counterclockwise about point P."

Performs and describes various rotations with angles of rotation to 360°.



"I used the point of rotation to rotate the shape 270° counterclockwise. If I rotated the shape 90° clockwise, I would get the same final image. I know the image is correct because each vertex and its image are the same distance from point P and the angle between the lines joining matching vertices to the point of rotation is 90°.

Visualizes, predicts, and describes where the image of a shape will be after a rotation.



"I can picture rotating the shape 90° counterclockwise about the point of rotation, P."

## **Observations/Documentation**