|  |
| --- |
| **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** |
|  |  |  |  |