Activity 7 Assessment
Investigating Rotations

| Applying and Visualizing Rotations on a Grid |  |  |  |
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| Identifies rotated 2-D shapes on a grid with a point of rotation on the shape. <br> "This grid shows a rotation of a $\frac{1}{2}$ tun about vertex P." | Identifies rotated 2-D shapes on a grid with a point of rotation outside the shape. <br> "The shape has been rotated a $\frac{1}{2}$ turn around the point of rotation P , located outside the shape." | Describes and performs rotations/turns, both clockwise and counterclockwise. <br> "The shape was rotated by a $\frac{3}{4}$ turn counterclockwise about $P$. The matching vertices on the shape and its image are the same distance from the point of rotation." | Visualizes, predicts, and describes where the image of a shape will be after a rotation. <br> "I visualized and predicted where the images of the pentagon would be after a rotation of a $\frac{1}{4}$ turn clockwise about P (on the shape) and after a rotation of a $\frac{1}{4}$ turn counterclockwise about $Q$ (off the shape). I rotated the shape to check. I know each image is correct because corresponding points are the same distance from the point of rotation." |
| Observations/Documentation |  |  |  |
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