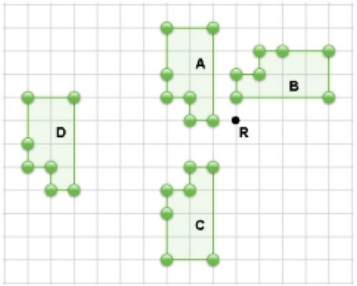
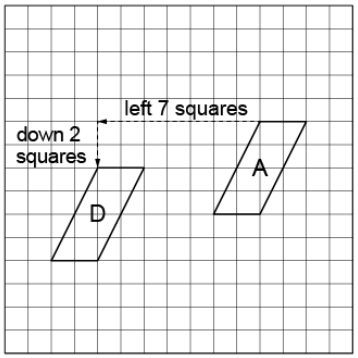
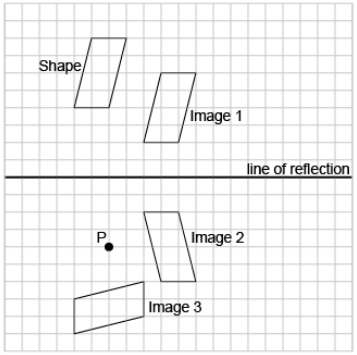
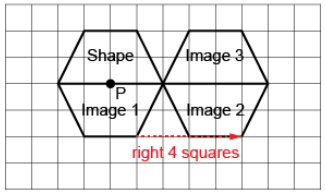
Geometry

# Activity 7 Assessment
## Rotating 2-D Shapes on a Grid

### Applying and Visualizing Transformations on a Grid

| Identifies and describes transformations on a grid. | Describes and performs single transformations on a grid. | Describes and performs combinations of transformations. | Visualizes, describes, and flexibly performs combinations of transformations. |
|---|---|---|---|
|  |  |  |  |
| "Shape A to Shape D is a translation. Shape A is reflected in the horizontal line halfway between Shapes A and C to get Shape C. Shape A is rotated 90° clockwise about point R to get Shape B." | "I translated Shape A left 7 squares and down 2 squares to Image D." | "I used a combination of transformations. I translated the Shape right 4 squares, down 2 squares to Image 1; I reflected Image 1 in the line of reflection shown to get Image 2; I rotated Image 2 90° clockwise about point P to get Image 3." | "I visualized the transformations and predicted where the images would be. I performed the transformations to check. I rotated the shape 180° about point P to get Image 1; then translated Image 1 right 4 squares to get Image 2; then reflected Image 2 in the common side to get Image 3. My predictions were correct." |

### Observations/Documentation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