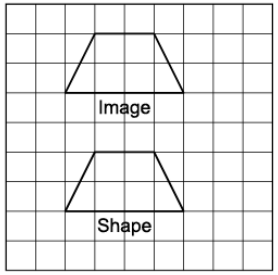
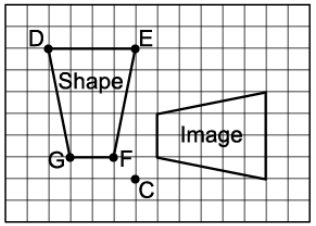
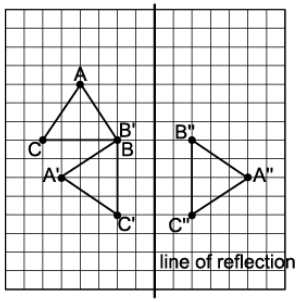
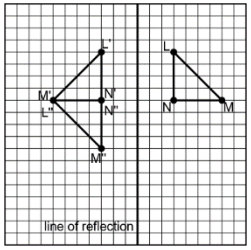
Geometry

Activity 10 Assessment

Grids and Transformations Consolidation

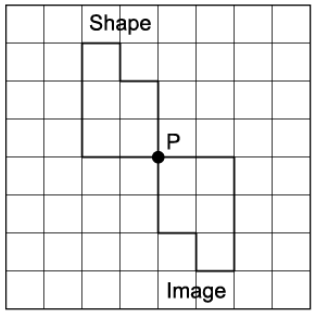
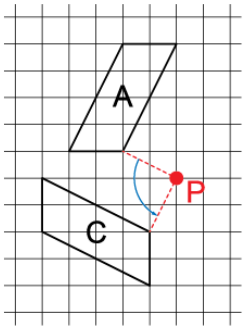
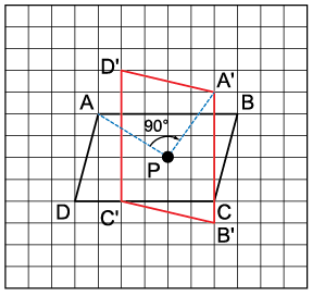
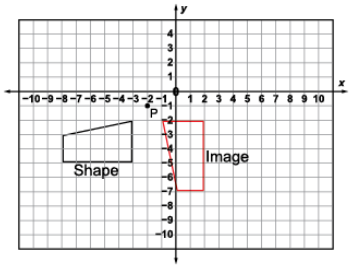
Applying and Visualizing Transformations on a Grid			
Identifies and describes transformations on a grid.	Describes and performs single transformations on a grid.	Describes and performs combinations of transformations.	Visualizes, describes, and flexibly performs a combination of transformations.
			
"This shows a translation because the shape and the image face the same way."	"The shape was rotated 90° about the point of rotation C to get the Image."	"The triangle is rotated 270° clockwise about vertex B, then reflected in the vertical line."	"I visualize reflecting triangle LMN in the vertical line of reflection, then rotating the image 90° counterclockwise about N' to get triangle L"M"N"."
Observations/Documentation			

Geometry

Activity 10 Assessment

Grids and Transformations Consolidation

Applying and Visualizing Rotations on a Grid (cont'd)

Identifies rotation that takes a shape to its image on a grid (point of rotation on shape).	Identifies rotation that takes a shape to its image on a grid (point of rotation off shape).	Performs and describes various rotations with angles of rotation to 360°.	Visualizes, predicts, and describes where the image of a shape will be after a rotation.
			
"I know the shape was rotated 180° clockwise about vertex P."	"I know the shape was rotated 90° counterclockwise about point P."	"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°.	"I can picture rotating the shape 90° counterclockwise about the point of rotation, P."

Observations/Documentation