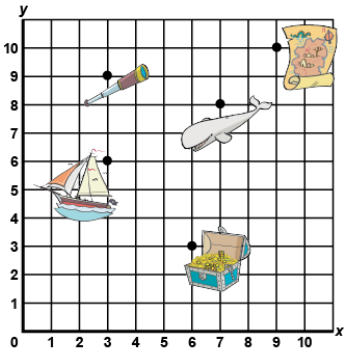
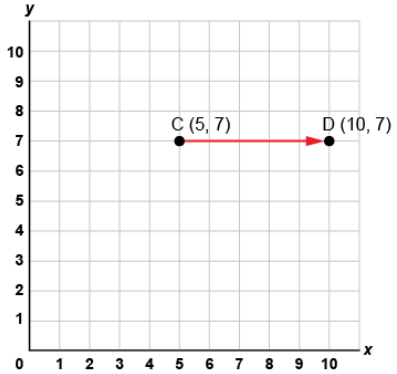
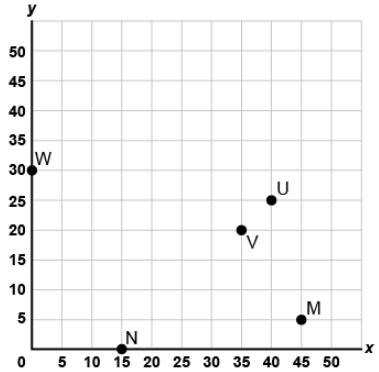
Geometry

Activity 11 Assessment

Transformations on a Coordinate Plane

Locating and Mapping Shapes in 1st Quadrant of the Cartesian Plane

Describes the location of 2-D shape/objects on the grid.	Describes translations of points by describing distance, direction, and coordinates.	Plots and locates points on a grid using various scales and labels the coordinates.
		
"The treasure chest is located at (6,3)."	"I plotted the point C(5, 7), then translated it right 5 squares to C'(10, 5). The *x*-coordinate increased by 5."	"To plot each point, I counted by 5s along each axis and labelled the coordinates: W(0,30), N(15,0), V(35,20), U(40,25), M(45,5)."

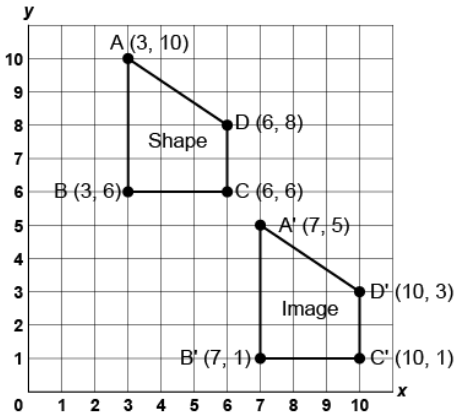
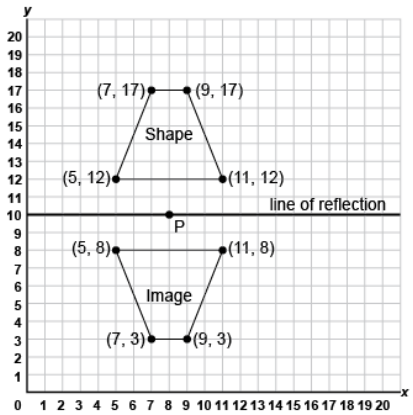
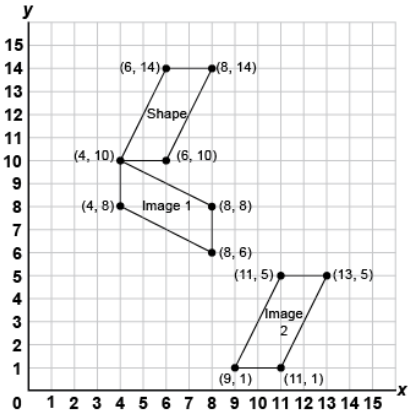
Observations/Documentation

Geometry

Activity 11 Assessment

Transformations on a Coordinate Plane

Locating and Mapping Shapes in 1st Quadrant of the Cartesian Plane (cont'd)

Translates or reflects shapes and labels coordinates of the image.	Analyzes and locates the vertices of 2-D shapes before and after rotations.	Visualizes and predicts the location of 2-D shapes after transformations using various scales.
		
"I translated the quadrilateral right 4 squares, then down 5 squares. The *x*-coordinate of each vertex of the image increased by 4 and each *y*-coordinate decreased by 5."	"I rotated the shape 180° about P(8, 10). I chose point P because it is on the line of symmetry of the trapezoid, so when I rotate it 180°, the image is also a reflection."	"I visualized and predicted the location of the image after different transformations and identified the coordinates. Image 1 is a rotation 90° clockwise, and Image 2 is a translation right 5 squares, down 9 squares."

Observations/Documentation