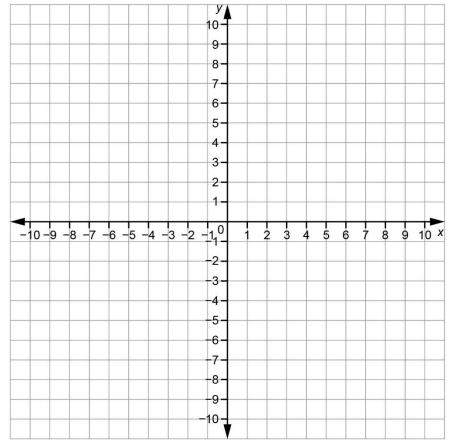
Date	
	Date

Geometry Unit 1 Line Master 6a

Rotating a Shape about a Vertex

Record the coordinates for two vertices of each shape and their images in the table below.

- 1. Draw Shape 1 using a maximum of 6 points.
- Choose a vertex.
 Rotate Shape 1 90° clockwise about the vertex.
 Label the rotation image as Shape 2.
- 3. Repeat Step 2 for a rotation of 180° about the same vertex. Label the rotation image of Shape 1 as Shape 3.
- Repeat Step 3 for a rotation of 270° clockwise about the same vertex.
 Label the rotation image of Shape 1 as Shape 4.
- 5. Describe how each image is related to the original shape.



Name	Date	
Name	Dale	

Geometry Unit 1 Line Master 6b

Rotating a Shape about a Vertex (cont'd)

Rotation Image Shape 2				
Description	Coordinates of Vertices of Shape 1	Coordinates of Vertices of Image Shape 2		
Rotation Image Shape 3				
Description	Coordinates of Vertices of Shape 1	Coordinates of Vertices of Image Shape 3		
R	totation Image Shape	4		
Description	Coordinates of Vertices of Shape 1	Coordinates of Vertices of Image Shape 4		