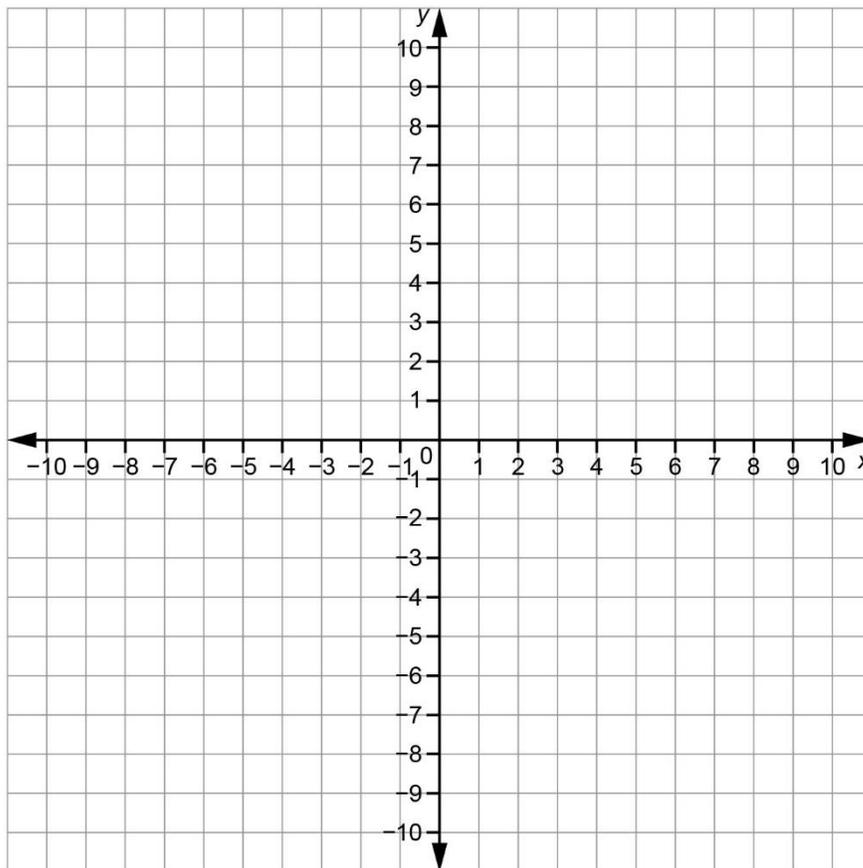


**Geometry**  
**Unit 1 Line Master 5a**

# Reflecting a Shape

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.
2. Choose a horizontal line of reflection.  
Reflect Shape 1 in the line. Label the reflection image as Shape 2.
3. Repeat Step 2 for a vertical line of reflection.  
Label the reflection image of Shape 1 as Shape 3.
4. Repeat Step 3 for a diagonal line of reflection through the origin.  
Label the reflection image of Shape 4.
5. Describe how each image is related to the original shape.



## Reflecting a Shape (cont'd)

Reflection Image Shape 2		
Description	Coordinates of Vertices of Shape 1	Coordinates of Vertices of Image Shape 2
Reflection Image Shape 3		
Description	Coordinates of Vertices of Shape 1	Coordinates of Vertices of Image Shape 3
Reflection Image Shape 4		
Description	Coordinates of Vertices of Shape 1	Coordinates of Vertices of Image Shape 4