Reflecting a Shape

**Geometry**

**Unit 1 Line Master 5a**

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

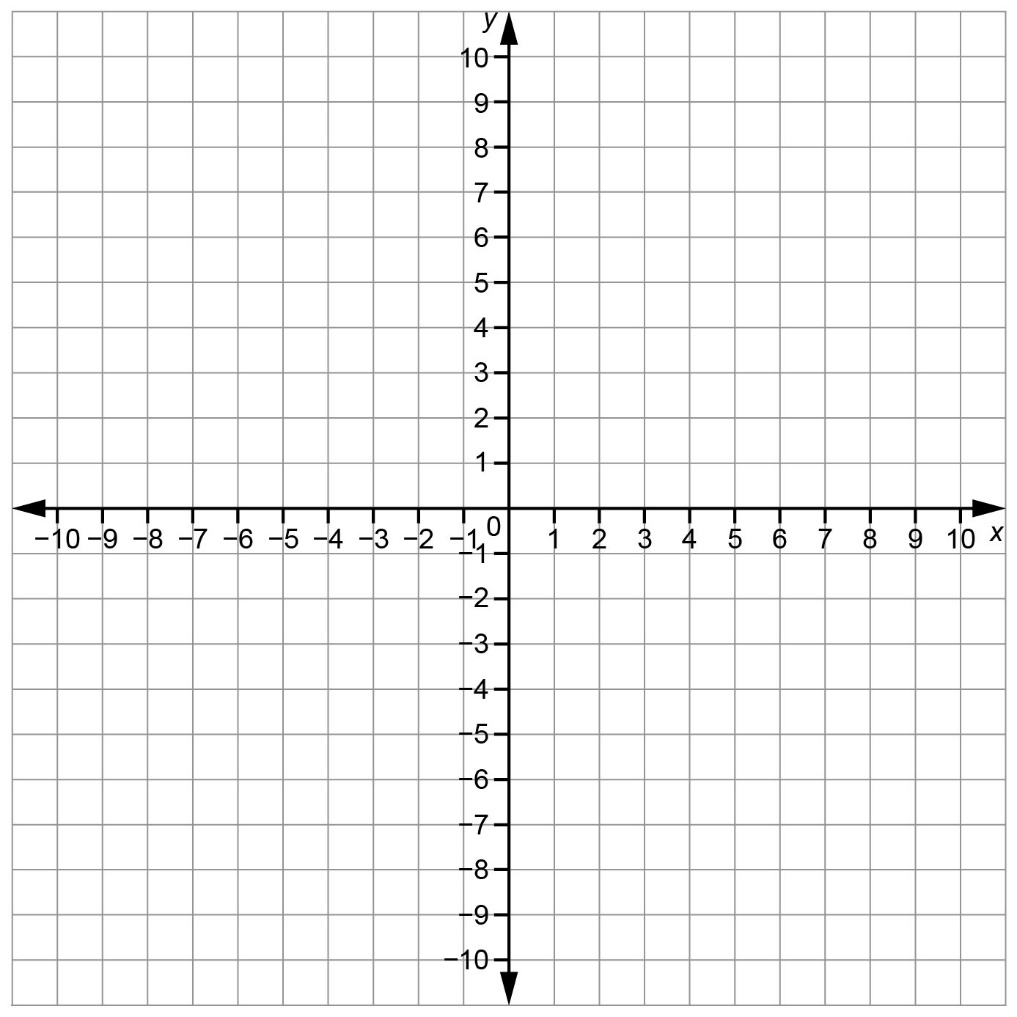
1. Draw Shape 1 using a maximum of 6 points.

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)

**Geometry**

**Unit 1 Line Master 5b**

|  |  |  |
| --- | --- | --- |
| **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** |
|  |  |  |