Getting Ready!

Look at the shapes at the right. Visualize flipping each shape across its yellow line. What word do the images of the shapes form? Copy the shapes as they are shown and sketch the results of flipping them.
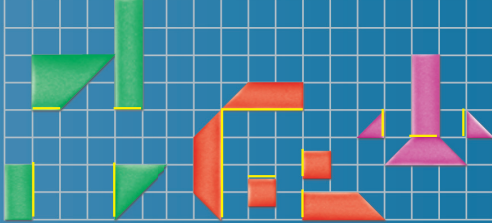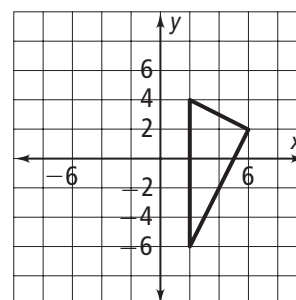
*Flipping a figure across a line is another type of transformation.*
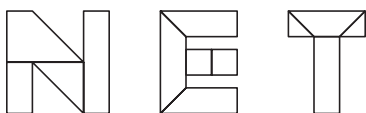
## 9-2 Lesson Quiz

**1.** If point $D(4, 1)$ is reflected across $x = 2$, what are the coordinates of its reflection?

**2.** A design for the math club logo reflects a triangle across the $y$-axis. Graph the reflection.



**3. Do you UNDERSTAND?** You are building a garden fountain with paths to the rose bushes and the herb garden. You make a graph showing the roses at $(5, 5)$ and the herbs at $(3, 2)$. You want to minimize the length of the brick paths. If the fountain is located on the $y$-axis, where should it be built?
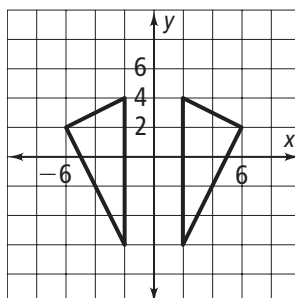
## Answers

**Solve It!**



**Lesson Quiz**

**1.** $(0, 1)$

**2.**



**3.** $\left(0, \frac{25}{8}\right)$