

Name \_\_\_\_\_

# 10-10A Lesson Master

## Questions on SPUR Objectives

See pages 650–653 for objectives.

### SKILLS Objective E

In 1 and 2, solve the system.

1. 
$$\begin{cases} y = x^2 - 4 \\ y = 3 \end{cases}$$

2. 
$$\begin{cases} y = x^2 - 5 \\ y = 4x \end{cases}$$

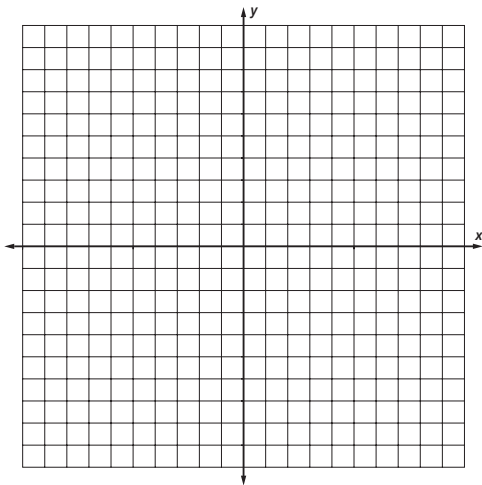
3. *True or false.*  $(-3, 8)$  is a solution to the system 
$$\begin{cases} y = x^2 - 1 \\ y = 8 \end{cases}$$
.

4. How many solutions does the system 
$$\begin{cases} x^2 + y = 8 \\ y = 2x \end{cases}$$
 have?

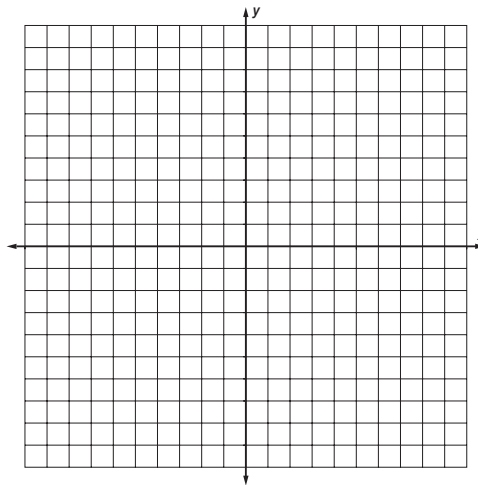
### REPRESENTATIONS Objective I

In 5 and 6, solve the system by graphing.

5. 
$$\begin{cases} y = 2x + 2 \\ y = x^2 + 2 \end{cases}$$



6. 
$$\begin{cases} y = x^2 - 6x + 9 \\ y = 2x - 7 \end{cases}$$



7. Randy graphed the system 
$$\begin{cases} y = x^2 + 8x + 16 \\ y = -x^2 - 8x - 8 \end{cases}$$
 in the standard window as shown at the right. Use the graph to approximate the solutions to the system.

