

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 $\begin{cases} y = x^2 - 1 \\ y = 8 \end{cases}$.

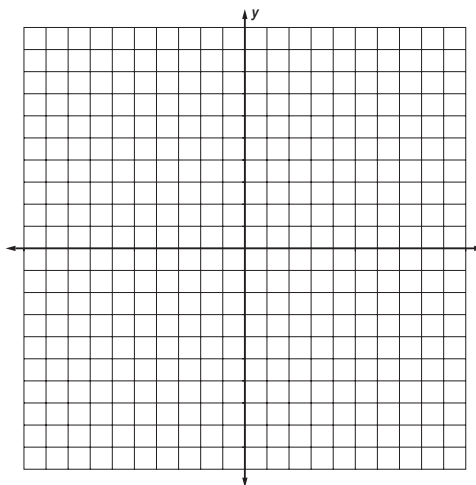
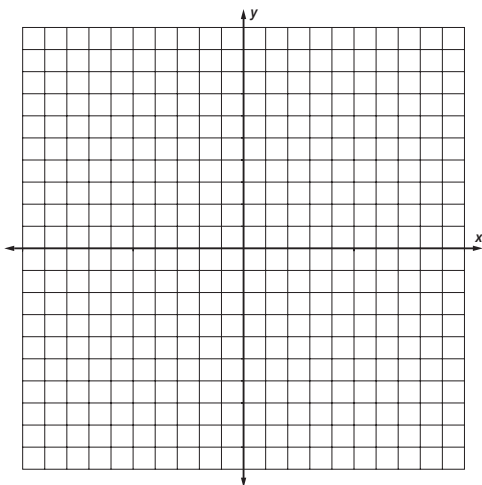
4. How many solutions does the system $\begin{cases} x^2 + y = 8 \\ y = 2x \end{cases}$ have?

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.

