

Name \_\_\_\_\_

# 2-6A Lesson Master

**Questions on SPUR Objectives**  
See Student Edition pages 143–147 for objectives.

## PROPERTIES Objective E

1. Write the equation of a hyperbola that has points in the second quadrant.

\_\_\_\_\_

In 2 and 3, answer  $y = \frac{k}{x}$ ,  $y = \frac{k}{x^2}$ , both, or neither.

2. Which graph(s) are symmetric to the y-axis? \_\_\_\_\_

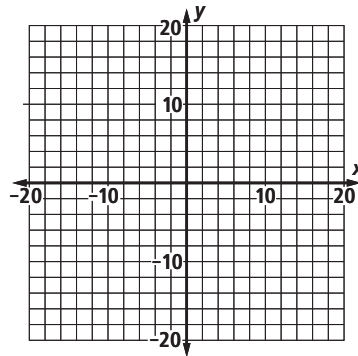
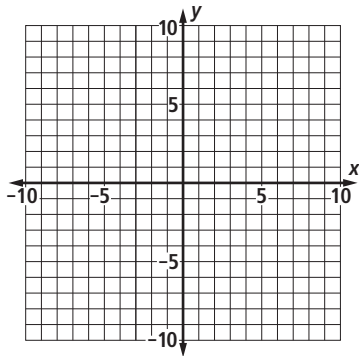
3. The x- and y-axes are asymptotes to which graph(s)? \_\_\_\_\_

## REPRESENTATIONS Objective I

In 4 and 5, graph the variation equation. Identify the coordinates of four points on each graph.

4.  $y = \frac{24}{x^2}$  \_\_\_\_\_

5.  $y = -\frac{100}{x}$  \_\_\_\_\_



## REPRESENTATIONS Objective J

**Matching** In 6–8, match each equation with its graph below.

6.  $y = \frac{400}{x}$  \_\_\_\_\_

7.  $y = -\frac{400}{x^2}$  \_\_\_\_\_

8.  $y = 4x^2$  \_\_\_\_\_

