

Name \_\_\_\_\_

# 6-2A Lesson Master

**Questions on SPUR Objectives**  
See Student Edition pages 446–449 for objectives.

## SKILLS Objective C

In 1-4, solve the equation.

1.  $t^2 = 25$  \_\_\_\_\_

2.  $4n^2 = 144$  \_\_\_\_\_

3.  $3x^2 + 81 = 90$  \_\_\_\_\_

4.  $4a^2 - 4 = 0$  \_\_\_\_\_

## SKILLS Objective D

In 5-8, solve the equation.

5.  $|t| = 5$  \_\_\_\_\_

6.  $|2b - 3| + 7 = 19$  \_\_\_\_\_

7.  $|x - 7| + 3 = 9$  \_\_\_\_\_

8.  $|4t + 2| = -3$  \_\_\_\_\_

## PROPERTIES Objective F

9. Determine whether the expression is always greater than or equal to zero, always less than or equal to zero, or whether it could be either.

a.  $\sqrt{n^2}$  \_\_\_\_\_

b.  $-|3t|$  \_\_\_\_\_

c.  $-\sqrt{(-n)^2}$  \_\_\_\_\_

10. For what values of  $x$  is  $x \neq |x|$ ? \_\_\_\_\_

## REPRESENTATIONS Objective K

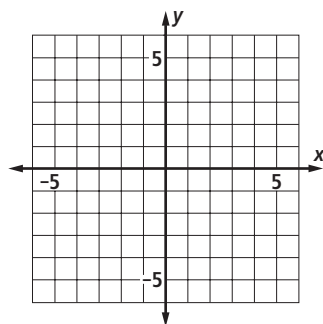
11. a. Graph  $y = |x|$  and  $y = |x + 3|$  on the same axes below.

12. a. Graph  $f(x) = |x - 3|$  and  $g(x) = |x| - 3$  on the same axes below.

b. Use the graph to solve  $|x| = |x + 3|$  for  $x$ .

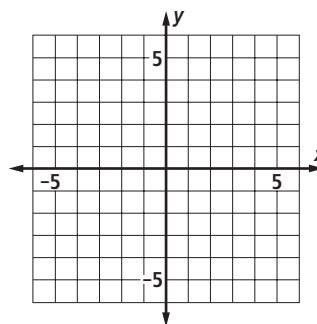
b. Use the graph to give the values of  $x$  for which  $f(x) = g(x)$ .

a.



b. \_\_\_\_\_

a.



b. \_\_\_\_\_