

Name \_\_\_\_\_

**11-6B Lesson Master****Questions on SPUR Objectives**

See pages 708–711 for objectives.

**SKILLS** Objective B

In 1–10, expand and simplify.

1.  $(x - 2)(x + 2)$   
\_\_\_\_\_

2.  $(y - 7)(y + 7)$   
\_\_\_\_\_

3.  $(3a + 5)(3a - 5)$   
\_\_\_\_\_

4.  $(9 - 4b)(9 + 4b)$   
\_\_\_\_\_

5.  $\left(\frac{3}{4}c - 1\right)\left(\frac{3}{4}c + 1\right)$   
\_\_\_\_\_

6.  $(d + 11)(-d + 11)$   
\_\_\_\_\_

7.  $(e^2 + 13)(e^2 - 13)$   
\_\_\_\_\_

8.  $(5x^2 + 7)(5x^2 - 7)$   
\_\_\_\_\_

9.  $(6g - hj)(6g + hj)$   
\_\_\_\_\_

10.  $(8 + km)(-8 + km)$   
\_\_\_\_\_

**SKILLS** Objective D

In 11–20, expand and simplify.

11.  $(n - 9)^2$   
\_\_\_\_\_

12.  $(p + 10)^2$   
\_\_\_\_\_

13.  $(2r - 7)^2$   
\_\_\_\_\_

14.  $(3s + 5)^2$   
\_\_\_\_\_

15.  $(8 - 3t)^2$   
\_\_\_\_\_

16.  $(9 + 10v)^2$   
\_\_\_\_\_

17.  $\left(\frac{1}{2}w - 4\right)^2$   
\_\_\_\_\_

18.  $(yz + 8x)^2$   
\_\_\_\_\_

19.  $(a^2 - b)^2$   
\_\_\_\_\_

20.  $(6c + h^2)^2$   
\_\_\_\_\_

Name \_\_\_\_\_

**11-6B**

page 2

**REPRESENTATIONS** Objective I

In 21–23, a square is described.

- a. Draw a picture to describe the situation.
- b. Write the area of the square as the square of a binomial.
- c. Write the area as a perfect square trinomial.

21. a square with sides of length  $3r + 5$

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

22. a square with sides of length  $5s + 1$

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

23. a square with sides of length  $x + 3$

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

24. What polynomial multiplication is represented by the diagram below?

\_\_\_\_\_

