

Name \_\_\_\_\_

**11-2A Lesson Master****Questions on SPUR Objectives**

See pages 708–711 for objectives.

**SKILLS** Objective A

In 1 and 2, simplify the expression.

1.  $(7m^3 - 9m^2 + 8m - 1) + (m^2 + 3m + 13)$  \_\_\_\_\_

2.  $(5n^2 + 6n + 2) - (5n^3 + 10n - 8)$  \_\_\_\_\_

**PROPERTIES** Objective E3. *Multiple Choice.* Which expression is a binomial? \_\_\_\_\_

A  $\frac{x}{y^2} + \frac{3x}{y^2}$

B  $2(y^2 + 9)^2$

C  $n + 3$

D  $5a^2$

In 4 and 5, an expression is given. If the expression is a monomial, state its degree.

4.  $6x^4$  \_\_\_\_\_

5.  $x^2y^5$  \_\_\_\_\_

6. a. Write a monomial in  $x$  whose degree is 6. \_\_\_\_\_b. Write a monomial in  $x$  and  $y$  whose degree is 6. \_\_\_\_\_7. a. What is the degree of the monomial  $12$ ? \_\_\_\_\_

b. Give an example of another monomial with the same degree as 12. \_\_\_\_\_

In 8–10, give the degree of the polynomial.

8.  $x^5 - 2x^7$  \_\_\_\_\_

9.  $5x^2 + 7x - 3$  \_\_\_\_\_

10.  $2x^4 + 5x^4 - 3x^6$  \_\_\_\_\_

11. a. Write a trinomial in  $x$  whose degree is 6. \_\_\_\_\_b. Write a trinomial in  $x$  and  $y$  whose degree is 6. \_\_\_\_\_

12. Give an example of a trinomial of degree 5. \_\_\_\_\_

13. Give an example of a binomial of degree 3. \_\_\_\_\_