

Name _____

2-4A Lesson Master**Questions on SPUR Objectives**

See pages 125–127 for objectives.

SKILLS Objective B1. **Multiple Choice.** Which expression is *not* equal to $-(x - 3)$? _____

A $-x + 3$

B $-x - 3$

C $-x - -3$

D $3 - x$

In 2–11, simplify.

2. $(-x)^5$

3. $-(3r - 2s)$

4. $-(-(-g)^2)$

5. $(-3a)(-a)$

6. $2t - (t + 3)$

7. $4y - 5(y + 2)$

8. $(2k^3 - 3) - (4k^3 - 5)$

9. $r + s^2 - t - (r - s^2 + t)$

10. $(1.2x + 1.8) - 0.6(0.2x + 0.3)$

11. $\frac{n+1}{3} - \frac{n-1}{3}$

12. Write a simplified expression for the opposite of $\frac{m+n}{2}$. _____**PROPERTIES** Objective D

In 13–16, match each property with its definition.

Property13. Multiplication Property of -1

14. Opposite of Opposites Property

15. Opposite of a Sum Property

16. Opposite of a Difference Property

Definition (for all real numbers a and b)

(a) $-(-a) = a$

(b) $-(a - b) = -a + b$

(c) $a \cdot -1 = -1 \cdot a = -a$

(d) $-(a + b) = -a - b$
