

Name

2-4A

Lesson Master

Questions on SPUR Objectives
See pages 125–127 for objectives.

SKILLS

Objective B

1. 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.

Property	Definition (for all real numbers a and b)
13. Multiplication Property of -1	(a) $-(-a) = a$ _____
14. Opposite of Opposites Property	(b) $-(a - b) = -a + b$ _____
15. Opposite of a Sum Property	(c) $a \cdot -1 = -1 \cdot a = -a$ _____
16. Opposite of a Difference Property	(d) $-(a + b) = -a - b$ _____