

Name _____

11-3A Lesson Master

Questions on SPUR Objectives
See pages 708–711 for objectives.

SKILLS Objective B

In 1–8, simplify.

1. $4x(2x)$

2. $3(x + 5)$

3. $4x(2 + x)$

4. $2y(3y^2 + 10y - 6)$

5. $0.2m^4(m^5 - 3)$

6. $-\frac{1}{4}ab(a^2 - 6ab + 9)$

7. $n(2n + 9) - 6(n - 1)$

8. $x(2a + 1) + 6a(-x + 9)$

In 9–12, fill in the blank.

9. $2(x + \underline{\quad}) = 2x + 18$

10. $6n(\underline{\quad} + 9) = 24n^2 + 54n$

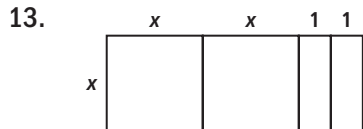
11. $x^2(x^2 + \underline{\quad}) = x^4 + x^2y$

12. $\underline{\quad}(2y + 7) = -6y - 21$

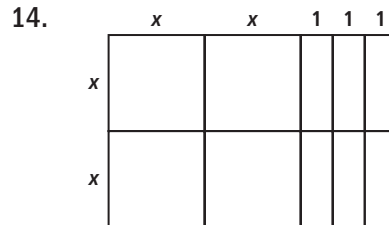
REPRESENTATIONS Objective I

In 13 and 14, a large rectangle is shown.

- Express its area as the sum of smaller areas.
- Express its area as length • width.
- What equality is shown?



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