

Name _____

11-5B Lesson Master**Questions on SPUR Objectives**

See pages 708–711 for objectives.

SKILLS Objective B

In 1–16, expand and simplify.

1. $(2x - 1)(3x + 2)$

2. $(7a - 6)(3a + 5)$

3. $(4c - 7)(2c - 2)$

4. $(6d + 7)(d + 8)$

5. $(5e^2 - 4)(3e^2 + 6)$

6. $(4f^2 + 8)(f - 1)$

7. $(x + 2y)(3x - 4y)$

8. $(5g - h)(2g + 3h)$

9. $\left(w - \frac{3}{4}\right)(8w^2 - 16w + 1)$

10. $\frac{1}{2}k(8k - 4)(k^2 - 2k + 10)$

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

12. $(7j - 1)(j^2 + 3j - 6)$

13. $m(m^2 + 2)(m - 1)$

14. $2n(n - 6)(8n - 3)$

15. $(3q - 1)(q + 7)(5q + 9)$

16. $(p + 1)(p - 7)(2p + 3)$

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page 2

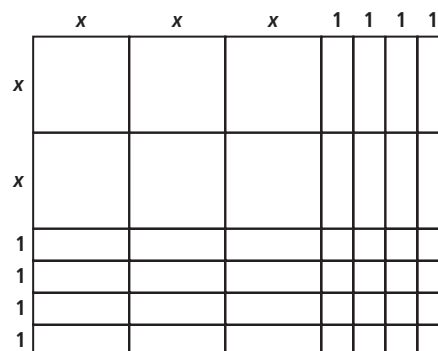
REPRESENTATIONS Objective I

In 17–19, a large rectangle is shown.

- a. Express the area of the largest rectangle as length • width.
- b. Simplify your answer to Part a.

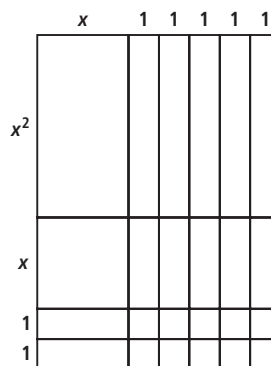
17. a. _____

b. _____



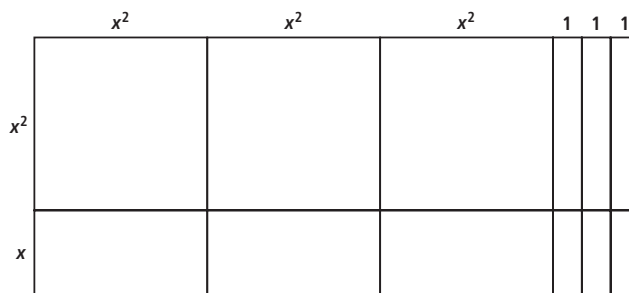
18. a. _____

b. _____



19. a. _____

b. _____



- 20. Show the product $(x + 1)(3x + 2)$ using areas of rectangles. Then write the product in standard form.
