



LESSON
7-8

Practice

Multiplying Polynomials

Multiply.

1. $(6m^4)(8m^2)$

2. $(5x^3)(4xy^2)$

3. $(10s^5t)(7st^4)$

4. $4(x^2 + 5x + 6)$

5. $2x(3x - 4)$

6. $7xy(3x^2 + 4y + 2)$

7. $(x + 3)(x + 4)$

8. $(x - 6)(x - 6)$

9. $(x - 2)(x - 5)$

10. $(2x + 5)(x + 6)$

11. $(m^2 + 3)(5m + n)$

12. $(a^2 + b^2)(a + b)$

13. $(x + 4)(x^2 + 3x + 5)$

14. $(3m + 4)(m^2 - 3m + 5)$

15. $(2x - 5)(4x^2 - 3x + 1)$

16. **The length of a rectangle is 3 inches greater than the width.**

a. Write a polynomial that represents the area of the rectangle.

b. Find the area of the rectangle when the width is 4 inches.

17. **The length of a rectangle is 8 centimeters less than 3 times the width.**

a. Write a polynomial that represents the area of the rectangle.

b. Find the area of the rectangle when the width is 10 centimeters.

18. Write a polynomial to represent the volume of the rectangular prism.


