



7-2 Additional Practice

Multiplying Polynomials

Find each product.

1. $2y^2(y^2 - 6y + 5)$

2. $-x(2x^3 - x^2 + 6x - 8)$

3. $-3x(x^2 - 7x - 6)$

Use a table to find each product.

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

5. $(x - 3)(3x - 6)$

6. $(x + 3)(5x - 4)$

Find each product.

7. $(x - 7)(x - 2)$

8. $(2x + 3)(3x - 2)$

9. $(x - 6)(3x - 4y)$

10. $(x - 4)(x^2 + 7x - 8)$

11. $(3x - 4)(2x^2 + 5x + 4)$

12. $(-2x^2 + 5)(x^3 - 8x - 6)$

13. When multiplying two polynomials of degrees m and n , will the product always be a polynomial? If so, explain, and state the degree.

14. A circular flower garden surrounds a sculpture on a square base as shown. What is an expression for the area of the flower garden?

