

## Multiplying Polynomials

1. Find the product:

$$(3a^5b^3)(-2ab^4)$$

2. Find the product:

$$9y(y^2 - 2y - 5)$$

3. Find the product:

$$\frac{7}{2}xy\left(\frac{8}{14}x^3 - \frac{6}{7}xy + \frac{3}{14}xy^4\right)$$

4. Find the product of the two binomials:

$$(x + 7)(x - 4)$$

5. Find the product of the two binomials:

$$(8x - 1)(x - 3)$$

6. Find the product of the polynomials:

$$(3x - 1)(4x^2 + 7x - 2)$$

7. Find the product of the polynomials:

$$(2x^2 - 3x + 1)(5x^2 + 4x - 7)$$

8. Find the special product:

$$(y + 3)(y - 3)$$

9. Find the special product:

$$(2x - 5)^2$$