

Multiply Monomials
or Find the Product

$$5q^2(7q^8)$$

$$2x^3y^4(x^8y^5)$$

Multiply Monomial by Polynomial
or Find the Product

$$5q^2(7q^8 + 4q^3)$$

$$-3y^4(2y^5 + y^2 - 8)$$

Multiply Polynomials
or Find the Product

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

$$(3x + 5y)(x - 4y)$$

$$(2x - 5)(4x^2 + 6x - 7)$$

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

Multiply Polynomialsor Find the ProductThese are "Special Products."

$$(3y + 7)(3y - 7)$$

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

Mixed Practice: Find the Product

$$1) -12y^7(-3y)$$

$$2) -4r^3(r^2 - 7)$$

$$3) (5x^2 - 3)(x^2 - 6x + 4)$$

$$4) (y - 10)(y - 4)$$

$$5) (t - 5)^2$$

$$6) (x - y)(x + y)$$

$$7) (k^2 - 6)(7k + 1)$$