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Module 11 Simplifying Algebraic Expressions
with Polynomials
Lesson 4 Multiplying Monomials and Binomials



guided
practice

Set 1

1. Simplify: $3v^4 \cdot (-5v^2)$

$-15v^6$

2. Simplify: $(-2x^2y^5)(-4x^3)$

$8x^5y^5$

3. Simplify: $(2r^3)(-3r^2s^2)(2s^2)$

$-12r^5s^4$

Set 2

1. Simplify: $5d(3d^2 - 6d)$

$15d^3 - 30d^2$

2. Simplify: $bc^3(9c^3 - 4b^2)$

$9bc^6 - 4b^3c^3$

Set 3

1. Simplify: $(m + 2)(m + 3)$

$m^2 + 5m + 6$

2. Simplify: $(2r - 7)(3r + 5)$

$6r^2 - 11r - 35$

3. Simplify: $(p - 8)(p + 8)$

$p^2 - 64$

Manipulatives Set

1. $2k(3k - 1)$

$6k^2 - 2k$

2. $(f + 1)(f - 2)$

$f^2 - f - 2$

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

$x^2 - 6x + 8$

