

6.2 Multiplying Polynomials

Study 6.2 # 1-13, 19-23, 27, 29,
33, 37, 45-55, 59,
61, 65, 69, 71, 75-79

Class Notes: Prof. G. Battaly, Westchester Community College, NY

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6.2 Multiplying Polynomials

Monomial x Monomial

$$(2a^3)(5a^6)$$

$$-9x(4x)$$

$$(3x^2)(xy)$$

$$(-4x)(-6xy)$$

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6.2 Multiplying Polynomials

Monomial x Binomial

$$2x (x + y)$$

$$3xy (5x - 2y)$$

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6.2 Multiplying Polynomials

Binomial x Binomial

$$(x - 1)(x + 3)$$

$$(2x + 1)(x - 1)$$

F O I L
 First
 Outer
 Inner
 Last

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6.2 Multiplying Polynomials

F O I L

Binomial x Binomial

$$(2x + y)(x + y)$$

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

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6.1 Polynomials

Monomial x Polyomial

$$2x (x^3y - 5x^2y^2 + 2xy^3)$$

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6.1 Polynomials

Binomial x Polyomial

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

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