

Adding and Subtracting Polynomials

Name _____

Date _____ Period _____

To add **polynomials**, combine like terms.

$$(2x^2 + 4x + 2) + (x^2 + 2x - 8)$$

Method 1: Line up like terms vertically

Method 2: Group like terms together

To add **polynomials**, combine like terms.

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

Method 1: Line up like terms vertically

Method 2: Group like terms together

To add **polynomials**, combine like terms.

$$(2x^3 - 5x - 6) + (2x^2 - 3x - 7)$$

Method 1: Line up like terms vertically

Method 2: Group like terms together

To subtract **polynomials**, distribute the minus through second polynomial, then combine like terms.

$$(2x^2 + 4x + 2) - (x^2 + 2x - 8)$$

Method 1: Line up like terms vertically

Method 2: Group like terms together

To subtract **polynomials**, distribute the minus through second polynomial, then combine like terms.

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

Method 1: Line up like terms vertically

Method 2: Group like terms together

To subtract **polynomials**, distribute the minus through second polynomial, then combine like terms.

$$(2x^3 - 5x - 6) - (2x^2 - 3x - 7)$$

Method 1: Line up like terms vertically

Method 2: Group like terms together

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