

Vocabulary

Terms:

Like terms:

Expression:

Standard Form:

Variable:

Coefficient:

Leading Coefficient:

Constant:

Monomial:

Binomial:

Trinomial:

Polynomial:

Degree of a Polynomial:

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Polynomial Operations

Steps to **add** polynomials: add coefficients of like terms, write answer in standard form

$$\text{EX. } (3x^2 - 6x + 2) + (-4x^2 + 3x - 1)$$

Steps to **subtract** polynomials: distribute subtract sign to everything inside the parentheses after the subtract sign, add coefficients of like terms, write answer in standard form

$$\text{EX. } (3x^2 - 6x + 2) - (-4x^2 + 3x - 1)$$

Steps to **multiply** polynomials: distribute everything in one parentheses to everything in the other parentheses, add coefficients of like terms, write answer in standard form

$$\text{EX. } -2x^3(-4x^2 + 3x - 1)$$

$$\text{EX. } (6x + 2)(3x - 1)$$

$$\text{EX. } (6x + 2)(-4x^2 + 3x - 1)$$

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