

Topic:

Essential Question:

Adding and Subtracting Polynomials:

Example 1: Simplify each expression. Write your answer in standard form.

a) $(x^2 + 5x - 4) + (2x^2 - 11x + 9)$ b) $(4x^5 - 3x^2 + 11) + (2x^2 - 5x + 9)$

c) $(x^2 + 5x - 4) - (2x^2 - 11x + 9)$ d) $(4x^5 - 3x^2 + 11) - (2x^2 - 5x + 9)$

Multiplying Polynomials:

Example 2: Simplify each expression. Write your answer in standard form.

a) $(4x - 3)(2x + 7)$ b) $(9x - 2)^2$

c) $(x^3 + 3x - 5)(2x - 8)$ d) $(x - 3)(x + 7)(x - 2)$

Summary: