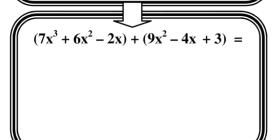
Rules for Adding, Subtracting, and Multiplying Polynomials

Adding Polynomials

- 1. Combine like terms.
 - Variable(s) must be raised to the same power.
 - Exponents do not changes.

 $(2x^2 - 4x + 4) + (-2x^2 - 5x + 4) =$

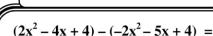
- Examples -

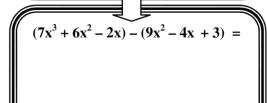


Subtracting Polynomials

- 1. All signs for each term must be switched within the parentheses that follow the subtraction sign.
- 2. Follow the rules for adding polynomials.

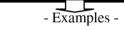
- Examples -





Multiplying Polynomials

- 1. Use the distributive property multiple times.
 - boxing method
- 2. Combine like terms.



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

