

Algebra Lesson 8-1
Adding and Subtracting Polynomials.



Monomial

1) A number: 12

2) A variable: x

3) A product: $12x^2$

Binomial

The sum (or difference) of two monomials:

$$3x + 4$$

$$5x - 7$$

$$4x + 20$$

Trinomial

The sum (or difference) of three monomials:

$$x^2 + 3x + 4$$

$$6x^2 + 5x - 7$$

$$x^5 + 4x + 9$$

$$7x^3 + 3x - 5$$

$$17x^3 + 50x^2 - 90$$

$$50x^2 + 17x^3 - 90$$

polynomial

A **polynomial** is a sum of one or more monomials.

$$3x^4 + 5x^2 - 7x + 1$$