

+ , - , x Polynomials

EX 1

$$(-9x + 8x^2) + (2x^2 + 5x - 6)$$

+/- : need like terms!

$$-5 - 4x + 10x^2 \rightarrow 10x^2 - 4x - 5$$

EX 2

$$(-x - 10 + 15x^2) - (1 + 9x^2 - 8x)$$

$$-x - 10 + 15x^2 - 1 - 9x^2 + 8x$$

$$7x - 11 + 6x^2 \rightarrow 6x^2 + 7x - 11$$

EX 3

$$4x^3(2x^2 - 8x + 7)$$

$$8x^5 - 32x^4 + 28x^3$$

Monomial x Polynomial

EX. 4

$$(x+9)(x-4)$$

$$x^2 - 4x + 9x - 36$$

$$x^2 + 5x - 36$$

EX. 5

$$(2x-3)^2$$

$$(2x-3)(2x-3)$$

$$4x^2 - 6x - 6x + 9$$

$$4x^2 - 12x + 9$$

EX. 6

$$(8x+2y)(3x+y)$$

$$24x^2 + 8xy + 6xy + 2y^2$$

$$24x^2 + 14xy + 2y^2$$