

MULTIPLYING POLYNOMIALS

SECTION 10.2

Distributive Property

Steps:

- 1) Multiply the number on the **outside** of the parenthesis to **EVERY** number on the **inside** of the parenthesis
- 2) Simplify any like terms

Distributive property

$$1.) -3(x + 5)$$

$$\boxed{-3x - 15}$$

$$2.) 4x(2x - 6)$$

$$\boxed{8x^2 - 24x}$$

$$3.) (x^2 + 5)3$$

$$\boxed{3x^2 + 15}$$

$$4.) 10x(x^2 + 4x - 5)$$

$$\boxed{10x^3 + 40x^2 - 50x}$$

$$5.) (x + 2)(3x + 5)$$

$$3x^2 + 5x + 6x + 10$$
$$\boxed{3x^2 + 11x + 10}$$

CLASSWORK

- Blue book:
- PG 301 # 1-10
- Wkst 10.2A # 3-11
- Wkst 10.2B # 1-9

HOMEWORK

- Pg 580 # 47-56
- Pg 587# 18-23
- 10.2 B video- Poly by a Poly