

Chapter 2 – Polynomial and Rational Expressions

2.2: Multiplying Polynomials

This stuff is so easy it's ridiculous. Seriously. It's ridiculous.

There are really only two “new” concepts (in addition to what you saw yesterday):

1) **The Distributive Property** (for multiplication over addition)

2) **The Associative Property** (for multiplication)

Note: you may also see the **Commutative Property**, but it's not so important to today's stuff

Examples:

Expand and Simplify:

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

b) $(2x - 5)(3x + 1)$

Double Distributive

c) $(5 - 2x)^2$

See Example 3, Pg. 93
about **equivalence**

d) $(x + 2)(3x - 1)(x + 5)$

Associate!!

e) $(x - 2y + 3z)^2$

Class/Homework

Section 2.2

- 1) Read Examples 2 and 3 on Pgs 92 – 93
- 2) Pg 95 #4ace, 5, 7, 9, 11