

I. Polynomial Arithmetic:

- ✓ A. Add & Subtract (5.4): combine like terms
- ✓ B. Multiply (5.5-5.6): distributive property,
FOIL & special products
- C. Division (5.7): simplify fractions (using exponent properties) and long division

II. Special Products for Binomials...

- A. Perfect Square (p.361): $(a + b)^2 = a^2 + 2ab + b^2$
- B. Difference of 2 Squares (p.362): $(a+b)(a-b) = a^2 - b^2$
- C. Examples (pp.364-365): Problems #2,8,32,36,44,56,58

HW: pp.364-365 / Problems #1-13(odd),23,25,31,
35-43(odd),47,55,57