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. Dividing by a monomial (p.369):

simplify the fraction using the exponent properties of 5.1 & 5.2 (summary, p.325)

III. Examples (p.375): Exercises #6,14,32,**42**

IV. Dividing by more than one term (p.371):

use "long division" (analogy) for polynomials

divide 846 ÷ 31, express the answer as a quotient + remainder over the divisor...

$$31\overline{)\,8\,4\,6}$$

V. Examples (p.376): Exercises #44,56,**62**,64,76

HW: pp.375-376 / Exercises #5,7,11,13,15,17,23, 31,37,43-83(every other odd)

Read pp.385-389 (section 6.1)