

Week Feb 17-21 ALGEBRA 1B ---- Chapter 7 Section 2

Monday - No class as Teacher Inservice

Tuesday - Work day on note-taking for multiplying polynomials by monomials and dividing polynomials by monomials. (see next slide and GC post) - Students can work together as substitute (report to Mr. Spiri's room to work)

Wednesday - Review your notes from yesterday, review last weeks quiz, and complete soft practice work pg. 123 FIRST COLUMN numbered problems - do them from finish for homework.

Thursday - Work with FIREFLY on Algebra 1B test -

Friday - Work on finishing FIREFLY test session followed by 2nd column problems pg. 123

Tuesday - Notes on examples for Multiplying Monomial/polynomial

Watch, stop, note take down example with steps, and repeat for these 6 examples through EDPuzzle ---- then do the division example EDPuzzle

Master Multiplying monomials by polynomials
Brian McLogan

$3(x-4)$ ex) $7x(x-5)$ ex) $3x^2(2x^2-x)$

ex) $4x^3(x^2-2x+5)$ ex) $8x^4(2x^5-3x^3+2x^2+x-3)$

Dividing a Polynomial by a Monomial
Randy Anderson

NOTE

$$\frac{a+b}{c} = \frac{a}{c} + \frac{b}{c}$$

Week objective from our textbook

Section 7.2: Multiplying and Dividing Polynomials

Common Core State Standards: A.APR.A.1

Learning Target: Multiply and divide polynomials.

Success Criteria

- Multiply and divide polynomials by monomials.
- Multiply binomials using the Distributive Property.
- Multiply binomials using the FOIL Method.
- Multiply binomials and trinomials.

Vocabulary: FOIL Method

Example 1

Students will multiply polynomials and monomials.

a. $-2x(3x + 7)$

b. $3x^2(5x^2 - 2x + 6)$

Example 2

Students will divide polynomials.

a. $\frac{x^4 + 4x^3 + 11x^2}{x^2}$

b. $\frac{6y - 30}{y - 5}$

Example 3

Students will multiply binomials using the Distributive Property.

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

b. $(x + 3)(x - 4)$

Example 4

Students will multiply $(2x - 3)(x + 5)$ using a table.