Week Mar 10-14   ALGEBRA 1B - Chapter 7 Section 3&4

Monday - Use GC announcement link for example worksheet transferred to notes: Students do review problems on multiplying and adding as warmup. Then Mrs. Pletcher presents notes on GCF factoring as reverse distribution property using this worksheet. -- see next slide for examples.

Tuesday - Use Dynamic Classroom Textbook section 7.3 pullout problems

- see/do as notes/examples # 11-16 on next slide.
- Continue examples from yesterday's worksheet
- Do various examples off group session problems from studyisland.like on the next slide
- HW: Assign online **7.3/pg 384 #43-45 all, 47-53 odds, 54**

Wednesday - Substitute Day

- Do a Kahoot on GCF factoring --- do twice
- https://kahoot.it/challenge/09755319?challenge-id=6a35df94-15d6-42bb-9a0b-07404aeef3ff_1742204731839

Thursday - Warmuo with Dynamic Classroom section 7.4 Explore it Section a)   solving equation set to zero.

- HW check and review from Tuesday
- Use Explore it Section b) for notes on zero-property and discuss solving equations in a factored/multiplication form.
- Use other examples in dynamic classroom with video examples copied into notes.

Friday - Complete online 7.4/pg 389 Practice # 21-26, 1-8

Notes: on GC

From:

https://jubileehw.weebly.com/uploads/2/6/3/1/26313252/maths-gr9.pdf

Algebra 1　　　　　**Unit 8 Factoring by Using the GCF Worksheet**

For each problem below, factor by finding the GCF.

1) $2a^4 + 8a$	2) $5x^3 - 10$
3) $8ab^2 - 12a^2b^3$	4) $10c^3d^2 - 15cd^3$
5) $15f - 20g^2$	6) $3y^4 + 9y^2 - 15$

Samples of Work from textbook and studyisland.com

11. $\dfrac{4x^5 - x^7 + 7x^4}{x^3}$ **12.** $\dfrac{10y^2 + 6y^4 + 8y^3}{2y^2}$

13. $\dfrac{7b + 14}{b + 2}$ **14.** $\dfrac{-9h + 27}{h - 3}$

CALCVIEW

15. $\dfrac{(5p - 20)(p - 3)}{p - 4}$ **16.** $\dfrac{(3q + 12)(2q - 1)}{(2q - 1)(q + 4)}$

$$26xy^3z^3 \qquad 10x^3y^2$$

What is the greatest common factor (GCF) of the monomials shown above?

- A. $2x^3y^3z^3$
- B. $130x^3y^3z^3$
- C. $2xy^2$
- D. $130x^4y^5z^3$

Factor the following polynomial.

$$8x^2 + 12x$$

- A. $4x(2x + 3)$
- B. $4x(2x - 3)$
- C. $4x(2x + 12)$
- D. $-4x(2x - 3)$

Week's Objective/Standard

Section 7.4: Solving Polynomial Equations in Factored Form

Common Core State Standards: A.SSE.B.3a, A.APR.B.3, A.REI.A.1, A.REI.B.4b

Learning Target: Solve polynomial equations in factored form.

Success Criteria

- Use the Zero-Product Property to solve polynomial equations in factored form.
- Factor polynomials using the greatest common factor.
- Solve polynomial equations by rewriting them in factored form.

Vocabulary: factored form, Zero-Product Property, roots, repeated roots