Agenda for Today 2/2/18

- 1. Zero Product Property
- 2. Unit 3A Quiz 1



Objectives 2/2/18 I can solve quadratic equations by factoring.

https://www.youtube.com/watch?v=g6RnAY_VkMs

ZERO PRODUCT PROPERTY INB

Statement





Turn in your homework on factoring!



GCF Review for Quiz 2/2/18

Find the GCF of the following Polynomial Expression.

$$-\underbrace{8x^{5}}_{=4x} - \underbrace{36x^{4}}_{=4x} + \underbrace{16x^{3}}_{=4x} + \underbrace{24x^{2}}_{=4x} - \underbrace{12x}_{=4x}}_{=4x}$$

$$-\underbrace{4x(2x^{4}+9x^{3}-4x^{2}-6x+3)}_{=4x}$$

Review of Difference of Squares

a.
$$\chi^2 - 36 = (\chi + 6)(\chi - 6)$$

a = χ
b = 6

b.
$$\chi^2 - 16 = (\chi + 4)(\chi - 4)$$

c. $4\hat{x} - 25$ (2x + 5)(2x - 5)

Essential Question 2/2/18

How can I demonstrate mastery of Unit 3A standards on Factoring Quadratic Expressions?

Objective:

• Take the Unit 3A Test.

Unit 3A Test 2/2/18

 Answer all 5 questions and show all your work as appropriate to earn full credit. # 5 is a bonus!
 Do your very best! You can do this!!!





Factor the following difference of squares $9x^2$ -100

a = 3x, b = 10

so the difference of squares factors into: (3x + 10)(3x - 10)

Review Factoring a not 1 with GCF

1. $10m^2 + 34m + 28$

1st take out the gcf = 2

 $2(5m^2 + 17m + 14)$ ac = 70, b = 17



Your final answer should be written in factored form:

You try the next 3 questions on your own!

- **2**. $14n^2 + 32n + 18$
- **3**. $10n^2 + 18n + 8$
- **4**. $25n^2 135n 90$



Answer: (3x + 5)(2x - 1)

You try the next 2 questions on your own!

6. $7x^2 + 27x - 4$

7. $2x^2 - 19x + 24$

Day 4 Quiz Review - Jeopardy.ppt