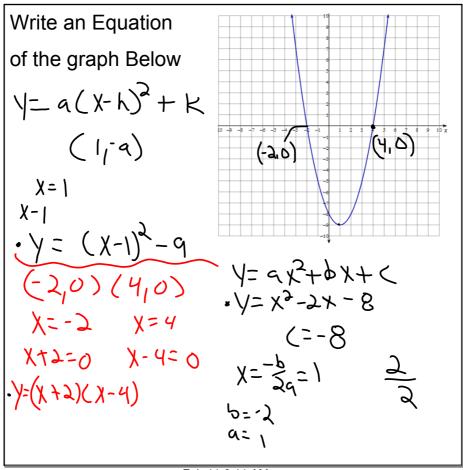
- 1. If you were a vending machine what you dispense?
- 2. What do you want to be when you grow up?
- 3. What is 1 thing you did during break?
- 4. Describe your best friend?
- 5. What song would you sing at Karaoke night?
- 6. What would be your Ideal Vacation?

Jan 3-9:19 AM



Feb 11-9:11 AM

Learning Target

Topic: Intercept/Factored Form to Standard

4.2 How can I translate Quadratic Equations from factored and Vertex forms into standard form

Sep 10-12:24 PM

Our Goal:

Plug these into your graphing Calc

Intercept (factored)

$$y = 2(x-3)(x+2)$$

Vertex

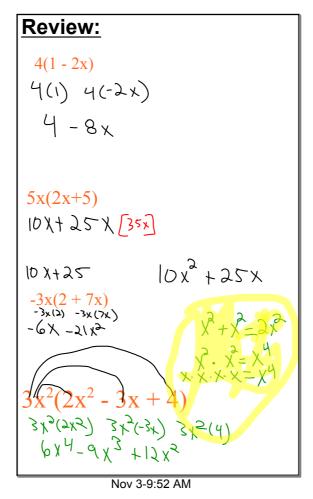
$$y = 2(x+1)^2 - 3$$

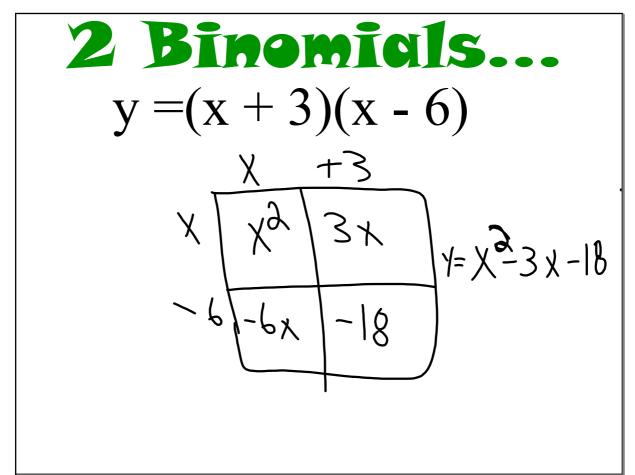
Standard

$$y = 2x^2 - 2x - 12$$

Standard

$$y = 2x^2 + 4x - 1$$





Feb 10-12:51 PM

$$f(x) = (2x + 3)(5x + 1)$$

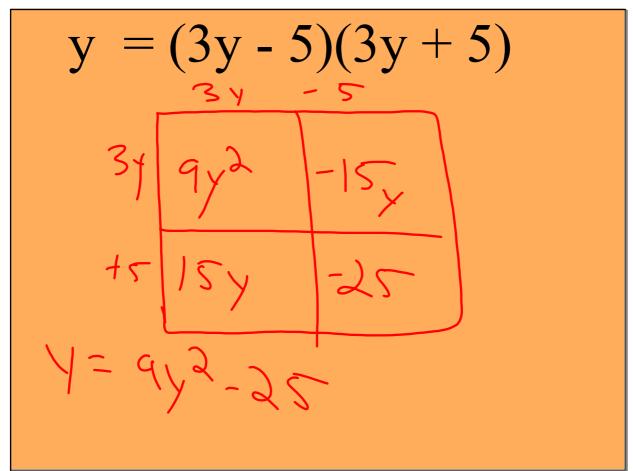
$$2x(5x)2x(1) 3(5x)3(1)$$

$$2x + 3$$

$$3x + 3$$

$$3x + 3$$

$$4x +$$



Sep 12-12:22 PM

$$y = 2(3x + 4)(x - 3)$$

$$y = 2(3x + 4)(x - 4)$$

$$y = -3(x + 8)(x - 7)$$

$$\chi(x) \quad \chi(-7) \quad g(x) = -3(x^2 + 1x - 56) \quad \chi^2 \quad -7x + 8x - 56$$

$$\chi(-7) \quad \chi^2 \quad -7x + 8x - 56$$

Dec 5-8:54 AM

Find the product.

$$(5x^2 - x - 3)(6x - 5)$$

Find the product. FOIL

$$f(x) = (x + 4)^{2}$$

$$f(x) = (x + 4)(x + 4)$$

$$f(x) = (x + 4)(x + 4)$$

$$f(x) = x^{2} + 4x + 4x + 16$$

$$f(x) = x^{2} + 8x + 16$$

Sep 12-12:24 PM

Learning Target

Topic: Vertex Form to Standard

4.2 How can I translate Quadratic Equations from factored and Vertex forms into standard form

$$Y = \alpha (x-9)(x-r)$$

Translate into Standard form

$$f(x) = (x + 5)^{2}$$

$$f(x) = (x + 5)^{2}$$

$$f(x) = (x + 5)(x + 5)$$

$$f(x) = (x + 5)^{2}$$

$$f(x) = (x + 5)^{2}$$

Jan 5-9:35 AM

Translate into Standard form

$$f(x) = (x - 3)^{2} - 9$$

Translate into Standard form

$$f(x) = 4(x - 6)^{2}$$

$$\leq (x) = 4(x - 6)^{2}$$

$$\leq (x) = 4(x - 6)(x - 6)$$

$$\leq (x) = 4(x^{2} - 12x + 36)$$

$$\leq (x) = 4(x^{2} - 48x + 144)$$

Jan 5-9:36 AM

Translate into Standard form

$$f(x) = 2(x + 1)^{2} + 11$$

$$f(x) = 2(x + 1)^{2} + 11$$

$$f(x) = 2(x + 1)(x + 1) + 11$$

$$f(x) = 2(x^{2} + 2x + 1) + 11$$

$$f(x) = 2x^{2} + 4x + 2 + 11$$

$$f(x) = 2x^{2} + 4x + 2 + 11$$

Write an equation in standard form that has x
intercepts x = 3, -2
Jan 5-8:12 AM