

Daily Agenda

Learning Target: I can write equations of quadratic functions given a vertex and "a" value.

<p>Homework</p> <p>3.2 Day 2 Formative</p>	<p>Assessments</p> <p>3.1 to 3.3 Quiz 10/12 - No Calc Chapter Test 10/24 - Calc and No Calc</p>
---------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

Life is what you make it. Always has been, always will be.
-Eleanor Roosevelt

Nov 15-8:24 PM

$$y = x^2 + 6x + 2$$

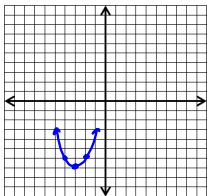
$$y - 2 = x^2 + 6x + 9$$

$$y + 7 = x^2 + 6x + 9$$

$$y + 7 = (x + 3)^2$$

$$y = (x + 3)^2 - 7$$

$V(-3, -7)$



Oct 5-8:11 AM

$$y = 2x^2 - 8x + 3$$

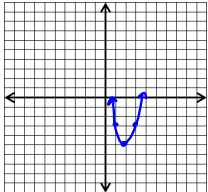
$$y - 3 = 2(x^2 - 4x + 4)$$

+8

$$y + 5 = 2(x - 2)^2$$

$$y = 2(x - 2)^2 - 5$$

$V(2, -5)$



Oct 5-8:11 AM

3.2 Writing Equations of Quadratic Functions

Vertex (1,5) and $a = 3$

$$y = 3(x - 1)^2 + 5 \text{ vertex form}$$

$$y = 3(x - 1)(x - 1) + 5$$

$$y = 3(x^2 - 2x + 1) + 5$$

$$y = 3x^2 - 6x + 3 + 5$$

$$y = 3x^2 - 6x + 8 \text{ std form of quad.}$$

Sep 15-10:27 PM

3.2 Writing Equations of Quadratic Functions

Vertex (-2,4) and $a = -1$

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

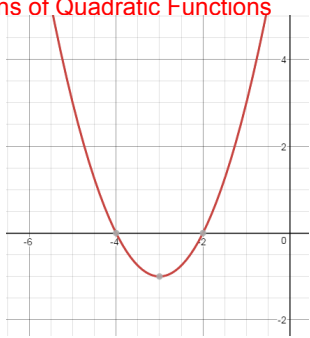
$$y = -(x + 2)(x + 2) + 4$$

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

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

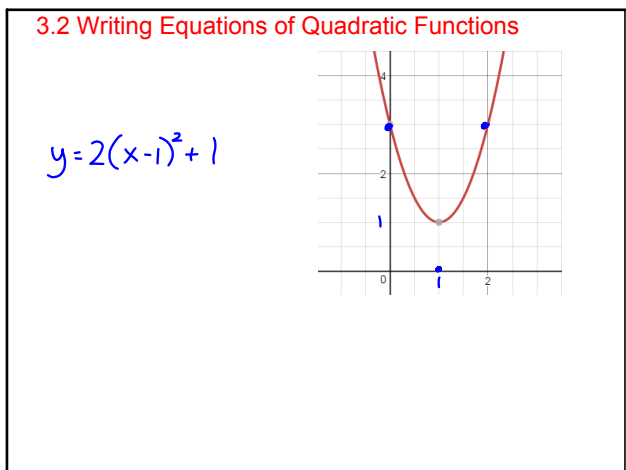
Sep 15-10:27 PM

3.2 Writing Equations of Quadratic Functions

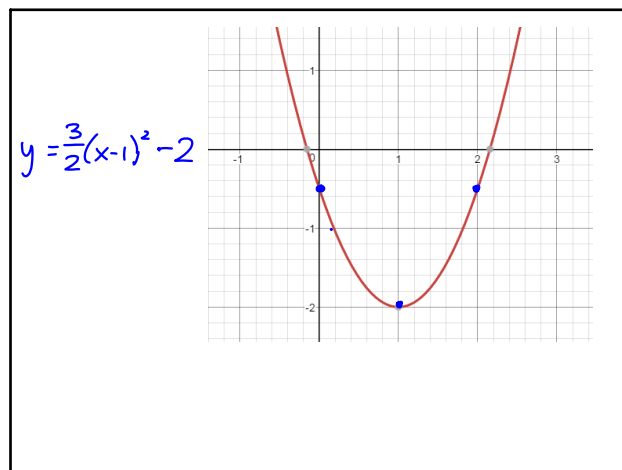


$$y = (x + 3)^2 - 1$$

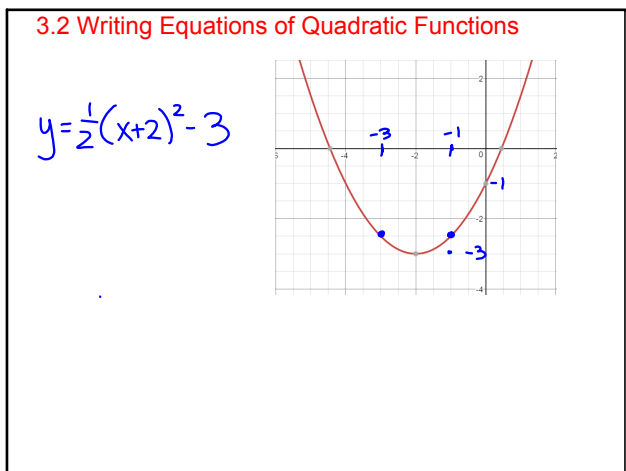
Oct 5-8:22 AM



Oct 5-8:22 AM



Oct 5-11:21 AM



Oct 5-8:22 AM