

WEDNESDAY, FEBRUARY 27, 2019

- Warm-up

• In golf practice Sam hit the ball from an elevated tee and waits $x = \frac{-b}{2a}$ for it to land. The height, h , of the ball is modeled by the equation $h(t) = -2t^2 + 4t + 8$

y -int $\rightarrow (0, 8)$ $-2(1)^2 + 4(1) + 8$
 $-2 + 4 + 8$
 10

$a = -2$
 $b = 4$
 $c = 8$

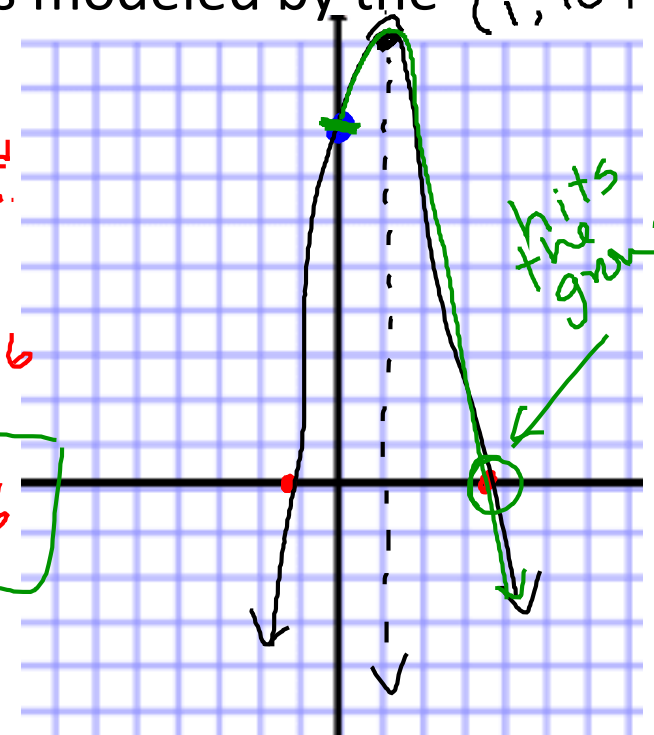
- Sketch a graph of the situation using the vertex, y -intercept, and x -intercept. *Quad Form.*

$x = \frac{-4 \pm \sqrt{4^2 - 4(-2)(8)}}{2(-2)}$ factor = 0

$x = \frac{-4 \pm \sqrt{16 + 64}}{-4} = \frac{-4 \pm \sqrt{80}}{-4}$ -1.236
 3.236

- At what time does the ball hit the ground?

3.236 seconds



- Review

Objectives

Content: I will review the material from this chapter in preparation for the unit test.

Social: I will help those around me so that everyone understands.

Language: I will make special note of vocabulary on my notes sheet for use on the test.

REVIEW



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