Friday, March 15, 2019

$x = \dfrac{-b}{2a}$

$P = \dfrac{1}{4a} = \dfrac{1}{4(1)} = \dfrac{1}{4}$

- Warm-up
  - Find the vertex of the quadratic: $f(x) = x^2 + 4x - 21$
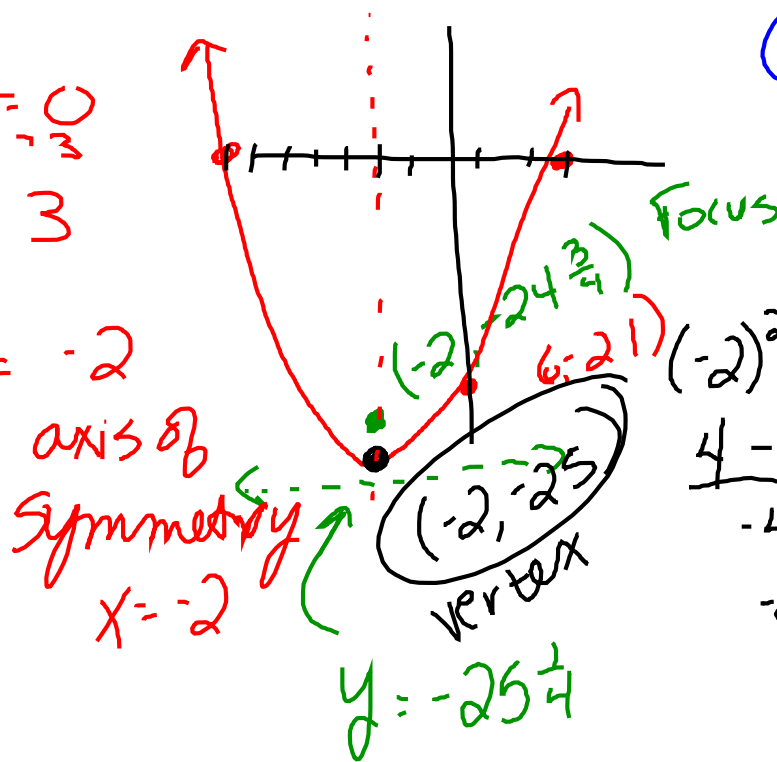
Factored

$(x + 7)(x - 3)$

x-intercepts

$x + 7 = 0 \qquad x - 3 = 0$
$\quad -7 \quad -7 \qquad +3 \quad +3$
$x = -7 \qquad\quad x = 3$

$\dfrac{-7+3}{2} = \dfrac{-4}{2} = -2$

Focus

$(-2, -24\frac{3}{4})$

$(6, -21)$

$(-2)^2 + 4(-2) - 21$
$4 - 8 - 21$
$-4 - 21$
-25

axis of
symmetry
$x = -2$
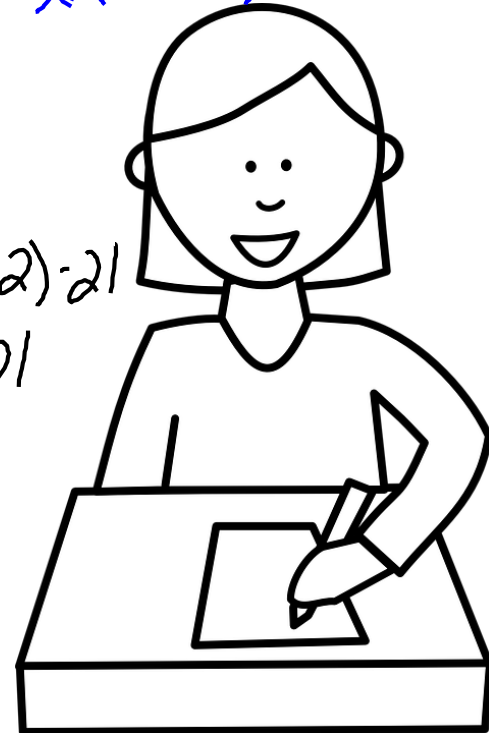
$(-2, -25)$
vertex

$y = -25\frac{1}{4}$

- Questions
- Test

Objectives

Content: I will <u>demonstrate</u> my knowledge of **quadratics** on the unit 4 test.
Social: I will <u>be part</u> of a **conducive** testing environment.
Language: I will <u>read</u> questions carefully and <u>apply</u> my vocabulary to best answer questions..
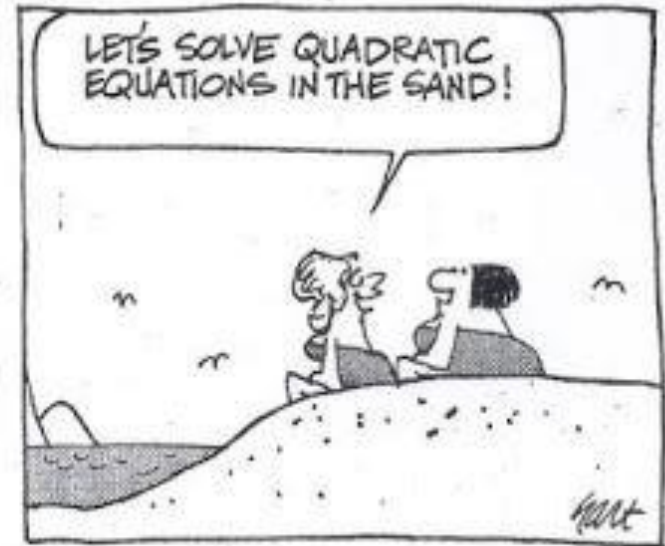
Questions??

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B.C.

WANNA SKIP STONES?

THAT'S A STUPID IDEA.

YEAH... I GUESS YOU'RE RIGHT.

LET'S SOLVE QUADRATIC EQUATIONS IN THE SAND!

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