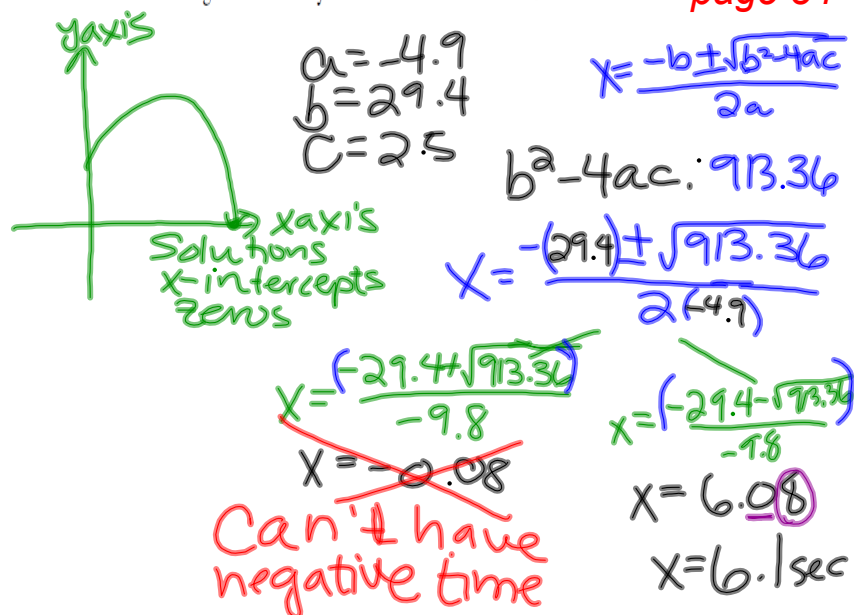


- 7) An arrow is shot into the air. A function representing the relationship between the number of seconds it is in the air, t , and the height of the arrow in meters, h , is given by: $h(t) = -4.9t^2 + 29.4t + 2.5$. How long does it take for the arrow to hit the ground? Round your answer to the nearest tenth.

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NAME _____

B	i	n	g	o
			2	
6	1	free	7	
5		3		4
	10	9	X	

Answer Bank

- $x = \frac{4 \pm 4\sqrt{5}}{5}$
- $x = \frac{-2 \pm i\sqrt{20}}{2}$
- $x = \frac{-1 \pm i\sqrt{5}}{1}$
- $x = \frac{14 \pm \sqrt{5}}{2}$
- $x = \frac{2 \pm \sqrt{1}}{2}$
- $x = \frac{-5 \pm 9}{2}$
- $x = -2, 7$
- $x = \frac{5 \pm 9}{2}$
- $x = \frac{4 \pm \sqrt{-80}}{6}$
- $x = \frac{-2 \pm 2i\sqrt{5}}{3}$
- $x = 1$
- $x = \frac{2 \pm 2\sqrt{2}}{1}$
- $x = \frac{-12 \pm \sqrt{-416}}{8}$
- $x = \frac{-3}{2}$
- $x = \frac{7 \pm \sqrt{37}}{6}$
- $x = \frac{-2 \pm \sqrt{1}}{2}$
- $x = \frac{1 \pm \sqrt{2}}{1}$
- $x = -1$
- $x = \frac{i}{1}$
- $x = \pm \frac{\sqrt{3}}{2}$
- $x = \frac{-3 \pm \sqrt{2}}{1}$
- $x = \frac{-6 \pm 4\sqrt{6}}{2}$
- $x = \frac{4 \pm 6\sqrt{6}}{2}$
- $x = \frac{1}{2} \pm i\sqrt{2}$

Find the solutions to the quadratic equation. Cross out the solution that you think is correct on your bingo board.

1. $2x^2 + 12 = -4x$

2. $c^2 - 14 = 5c$

3. $x^2 - 2x + 1 = 0$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

4. $3b^2 + 4b + 8 = 0$

$$x = \frac{-(-) \pm \sqrt{(-)^2 - 4(3)(8)}}{2(3)}$$

5. $4x^2 + 12x + 9 = 0$

6. $q^2 - 2q - 1 = 0$

7. $m^2 + 4 = 3$

8. $3t^2 + 7t + 4 = 0$

9. $7 = -6x - x^2$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

10. $4z^2 + 9 = -4z$

11. $7x^2 + 2x + 5 = 0$

-Quiz Corrections

Vertex form:

Factor form:

-Homework check off with Ms. Vang OR Mrs. Witchger

-For those that need to take a retest for the first test, please check in with Ms. Vang.