

To turn in your work:

Mr. Briggs, Mr. Murnane - send a photo to email

Mrs. Dua, Mr. Dewitt, Ms. Smith - send a photo to email or remind

Ms. Reyburn - send a photo to email, remind, or teacher instagram

Mrs. Burke, send a photo to email, remind, or padlet

Solve using factoring.

1. $x^2 + 10x + 24 = 0$

Solve using completing the square.

3. $x^2 + 6x = 12$

Solve using square roots.

2. $10(x - 3)^2 - 1 = 39$

Solve using the quadratic formula.

4. $3x^2 + 2x - 4 = 0$

Solve using any method!

5. $x^2 + 7x - 8 = 0$

6. $x^2 + 10x = -15$

7. $(2x + 3)^2 = 9$

8. The freshmen in living earth launch homemade rockets at the start of the school year. One team's rocket had a flight path modeled by the equation $h(x) = -x^2 + 4x$ where x is time in seconds and $h(x)$ is height in yards. How long does it take for the rocket to hit the ground?

Answer Bank

$x = -3 \pm \sqrt{21}$	$x = \frac{-2 \pm \sqrt{52}}{6}$ OR $x = -1.54$ and $x = .87$	4 seconds	$x = -5 \pm \sqrt{10}$ OR $x = \frac{-10 \pm \sqrt{40}}{2}$
$x = -3$ $x = 0$	$x = 1$ $x = 5$	$x = -6$ $x = -4$	$x = -8$ $x = 1$