

Algebra 1

Our Goal: To review for the Unit 9 quiz

Warm Up: Please have your homework out for discussion

Today's Homework:

9.1-9.3 Practice Quiz, p.504: 1-24

Previous Homework

9.3 Exercises, p.501: 3-29 (odds)

The topics include

1. Simplifying square roots
2. Number of solutions to a quadratic equation
3. Solving quadratic equations using square roots
4. Solving quadratic equations using a graphing
5. Word problems involving solving quadratic equations

$$7x^6 - 8x^3 + x = 87$$

$$\begin{aligned}h(t) &= -16t^2 + 24t + 4 \\12 &= -16t^2 + 24t + 4 \\3 &= -4t^2 + 6t + 1 \\0 &= -4t^2 + 6t - 2 \\0 &= -2t^2 + 3t - 1 \\0 &= 2t^2 - 3t + 1 \\0 &= (2t - 1)(t - 1) \\t &= 1, \frac{1}{2}\end{aligned}$$

$$h(t) = -16t^2 + 24t + 4$$
$$0 = -16t^2 + 24t + 4$$
$$0 = -4t^2 + 6t + 1$$
$$0 = 4t^2 - 6t - 1$$