

Do Now

Find the mistake(s) and correct them!

$$3x^2 - 4x + 10 = 18$$

$$x = \frac{-(-4) \pm \sqrt{(4)^2 - 4(3)(10)}}{2(3)}$$

$$x = \frac{-4 \pm \sqrt{-104}}{6}$$

no solution

$$3x^2 - 4x - 8 = 0$$

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

$$x = \frac{4 \pm \sqrt{16 + 96}}{6}$$

$$x = \frac{4 \pm \sqrt{112}}{6} \leftarrow \begin{matrix} \sqrt{16} \\ \sqrt{7} \end{matrix}$$

$$x = \frac{4 \pm 4\sqrt{7}}{6}$$

$$x = \frac{2 \pm 2\sqrt{7}}{3} \leftarrow x = \frac{2}{3} \pm \frac{2\sqrt{7}}{3}$$

Apr 3-1:03 PM

Homework Answers

1) 7 feet

2) -4, -6

3) 6.7 m & 9.7 m

4) Height $\frac{2}{3}$ Base 1 $9\frac{1}{3}$ Base 2 $\frac{8}{3}$

Apr 4-7:06 AM

Topics on Test - Tomorrow

- Simplifying Radicals
- Solving Quadratic Equations
 - Solve using square roots
 - Solve by Factoring
 - Solve using Quadratic Formula
 - Solve by Completing the Square
- Solving Quadratic Equations - Word Problems
 - Area of Rectangles
 - Consecutive Integers
 - Etc

Discriminant

Apr 11-12:40 PM