# Solving Equations Using x-Intercept Method -2 MathPrint View

## **Objectives:**

• Use the Zero calculation to find solutions in more difficult situations

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**PRO TIP:** If the graph does not cross the x-axis, there is no solution. One way this can happen is if the graph is a horizontal line (other than the x-axis).



**IMPORTANT**: If there are two (or more) points of intersection, use the same method twice (or more): once for each solution. You must choose the "Guess?" more carefully when there is more than one.

**Example 2:** Use the x-intercept of difference method to find the solution of  $9 - x^2 = 7$ . Round to the nearest hundredth.





### Try It!

Solve each equation graphically using the x-intercept method. Round to the nearest hundredth if needed. 1)  $5 + x^2 = 8$ 

2)  $5 - x^2 = 7$ 

#### **Solutions**

