

MA 114 - Reading Assignment 2 - Section 1.3 - Spring 2008

Uncle Sam wants _____

1. What two methods of solving equations are presented in this book?
2. **True** or **False**: You can find the exact solutions to every equation algebraically.
3. Solving an equation for x when one side of the equation is 0 is equivalent to finding where the graph crosses or touches the x -axis, or where the graph of the equation has _____.
4. Which graphing utility feature (ZERO or INTERSECT) would be most effective in solving each of the following equations?
 - (a) $3x^2 + 2x - 7 = 0$ _____
 - (b) $5 - 3x^3 = 2x + 6x^2$ _____
 - (c) $0 = 3 - \sqrt{2 + x^3}$ _____
5. Following Example 3, solve the equation $-2(x + 1) = 3(x - 4)$.