Ten Questions from Chapter 6 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1. Solve:  | 2. Graph Macintosh HD:Users:lisahoneyman:Desktop:Grids:Blank Grid.png |
| 3. Solve:  |
| 4. Complete the square by filling in the blanks. \_\_\_\_\_\_\_\_\_ =  |
| 5. Rewrite this quadratic equation in vertex form:  | 6. Suppose a juggler throws an object from his hand at a height of 3 feet with an initial velocity of 25 feet per second. Write an equation to describe the height of the object after *t* seconds using the equation   (g = \_\_\_\_\_\_\_\_\_\_\_\_ ) |
| 7. Multiply:  | 8. Multiply:  |
| 9. Use the quadratic formula to solve:  | 10. Use the discriminant test to determine the nature of the roots of this equation:   |