

Name \_\_\_\_\_

Date 5/11/15 Hour \_\_\_\_\_

## Review for Solving Quadratic Equations

**Solve each equation by factoring:**

1)  $x^2 + 15x + 56 = 0$

2)  $x^2 - 3x + 7 = x + 52$

3)  $x^2 + 12x = 2x - 7$

4)  $2x^2 + 3x = 5$

**Solve each equation by graphing**

5)  $x^2 + 2x - 24 = 0$

6)  $x^2 - 6x = x$

7)  $2x^2 - 5x = x^2 + 3x$

8)  $2x^2 + 6x = x - 1$

**Solve each equation using square roots:**

9)  $4x^2 = 100$

10)  $\frac{x^2 - 11}{2} = 19$

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Solve each equation by completing the square:

$$11) x^2 - 6x + 5 = 0$$

$$12) x^2 - 2x + 3 = 2x + 6$$

Solve each equation using the quadratic formula:

$$13) x^2 - 10x + 5 = 0$$

$$14) x^2 + 2x - 4 = 3x - 8$$

Solve each equation by using any method you prefer:

$$15) x^2 - 3x + 2 = 0$$

$$16) x^2 + x + 5 = 0$$

$$17) x^2 + 4x + 1 = 0$$

$$18) x^2 - 4x = 2$$

$$19) 2x^2 - x = x^2 + 2x + 40$$

$$20) 2x^2 + 5x = x - 4$$