Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# WS 10-5 H

# Writing and Using Quadratic Equations

1. What is standard form for quadratic equations?

**Write the quadratic equation using the given coefficients.**

2. a = 1, b = 5, c = 3 3. a = 2, b = 2, c = 7

**Write the quadratic equation from the given solutions.**

4. x = -1, 4 5. x = 1, 8

6. x = -2, -6 7. x = 10

8. x = -3 9. x = 0, 7

**State which method you would use to solve each quadratic equation.**

10. $x^{2}-25=0$ 11. $x^{2}-5x-14=0$

12. $x^{2}-6x+2=0$ 13. 