

Name:

Hour:

Date:

## Solving Quadratic Equations Practice

Directions: Solve the following quadratic equations on a separate sheet of paper. Rewrite in standard form before solving! Choose the appropriate method(s) for each problem: *GCF, X-box factoring, quadratic formula, or taking square roots.*

1.  $x^2 - 2x + 1 = 0$

2.  $x^2 + 9x + 20 = 0$

3.  $3x^2 - 5x - 12 = 0$

4.  $6x^2 + 9x - 6 = 0$

5.  $x^2 + 3x - 28 = 0$

6.  $3x^2 - 2x = 2x + 7$

7.  $4x^2 - 12x = 16$

8.  $x^2 + 3x = 0$

10.  $3y^2 - y - 4 = 0$

11.  $y^2 + 2y + 1 = 0$

12.  $x^2 - 2x - 8 = 0$

13.  $x^2 + 4 = 0$

14.  $x^2 + x = -1$

15.  $9y^2 + 6y - 8 = 0$

16.  $y^2 - 25 = 0$

17.  $6y^2 - 13y + 6 = 0$

ODD ANSWERS: 1.  $x = 1, x = 1$

3.  $x = -4/3, x = 3$

5.  $x = -7, x = 4$

7.  $x = 4, x = -1$

11.  $y = -1, y = -1$

13.  $x = \pm \frac{\sqrt{-16}}{2}$

15.  $x = 2/3, x = -4/3$

17.  $y = 2/3, y = 3/2$