

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

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

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

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

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

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

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

13. $x^2 + 4 = 0$

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

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

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

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

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

16. $y^2 - 25 = 0$

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

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

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