

6.8 Math 2 Worksheet

Name _____

Solving Quadratic Equations – Any Method

Period _____ Score _____

Solve each quadratic equation using any method.

1. $p^2 + 12p = -32$

2. $6a^2 + 8a - 25 = -3$

3. $6x^2 + 1 = 121$

4. $x^2 + 12x + 2 = -10$

5. $2x^2 - 16x = -14$

6. $a^2 + 16a + 6 = 7$

7. $-10 - 3z^2 = -310$

8. $10n^2 - 11n - 15 = -8$

9. $6v^2 - 18v - 18 = 6$

10. $8m^2 + 18m + 9 = 0$

11. $x^2 - 8 = -2x$

12. $x^2 - 2x = -1$

13. $(x + 2)^2 - 2 = 2$

14. $4x^2 - 2x - 8 = -3$

15. $2x^2 + 6x - 2 = -x + 2$

16. $12x^2 + 2x - 20 = 15 + x$

17. $(x - 5)^2 + 6 = 18$

18. $6n^2 + 5n - 25 = 0$

19. $4x^2 - 5x - 3 = 2x^2$

20. $5x^2 + 4x - 8 = 4x + 32$

21. $3x^2 + x - 1 = x^2 + 2x$

22. $2(x + 3)^2 - 14 = 0$

23. $3x^2 + 15x + 12 = -6$

24. $(4x - 1)^2 + 7 = 35$