

Name: _____

Hour: _____

Sec. 3.7B: Solving Quadratics Review #1

Solve using the method of your choice. Show all of your work. ☺

1. $5x^2 - 2x - 3 = 0$

2. $x^2 + 5x + 5 = 0$

3. $3x^2 - 9x - 54 = 0$

4. $x^2 - x = 12$

5. $x^2 + 12x + 36 = 5$

6. $x^2 - 11x + 24 = 0$

7. $x^2 + 15x + 24 = -32$

8. $x^2 + 7x + 11 = 0$

9. $12x^2 = -4x$

10. $(2x+1)(x-3) = 0$

11. $(x+5)^2 - 12 = 0$

12. $x^2 + 3x = 14$

13. $x^2 - 8x = -16$

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

15. $6(x-4)^2 + 8 = 20$

16. $6x^2 - 54 = 0$

17. $3x^2 + 7x - 24 = -13x$

18. $7x^2 - 10 = 25$

19. $25x^2 = 121$

20. $2x^2 + 7x - 4 = 0$