

SCORE

16

Name: _____

Class: _____

Hour: _____

Algebra 1B Homework Check (9-9)

(Please attach homework to this sheet and fill out the questions below.)

Pg. 657: 1-5, 8-9, 24-25, 27, 31-32, 34, (40-42 solve using any method)

1. **Vocabulary** If the *discriminant* is negative, the quadratic equation has _____?_____ solution(s). (*no, one, or two*)

Solve using the Quadratic Formula.

2. $x^2 - 5x + 4 = 0$

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

4. $x^2 - 6x - 7 = 0$

5. $x^2 = -14x - 40$

8. $2x^2 - 6 = 0$

9. $x^2 + 6x + 3 = 0$

Solve. Show your work.

24. $x^2 + x - 12 = 0$

25. $x^2 + 6x + 9 = 0$

27. $4x^2 + 4x + 1 = 0$

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Solve using the Quadratic Formula.

31. $x^2 - 10x + 9 = 0$

32. $1 = 3x^2 + 2x$

34. $3x^2 - 5 = 0$

Solve. Show your work.

40. $x^2 + 4x + 3 = 0$

41. $x^2 + 2x = 15$

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