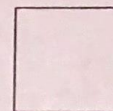


Name: _____

Unit 8: Quadratic Equations



Date: _____ Bell: _____

Homework 7: Solving Quadratics
by Square Roots

**** This is a 2-page document! ****

Solve each quadratic equation by the square roots method. Simply all irrational solutions.

1. $x^2 - 64 = 0$

2. $2x^2 - 18 = 0$

3. $5x^2 - 20 = 0$

4. $x^2 + 81 = 0$

5. $x^2 - 24 = 57$

6. $2x^2 - 22 = 28$

7. $\frac{2}{3}x^2 = 24$

8. $\frac{1}{4}x^2 - 1 = 15$

9. $4x^2 - 25 = 0$

10. $9x^2 = 49$

$$11. 81x^2 = 4$$

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

$$13. 4x^2 + 11 = 12$$

$$14. 49x^2 - 3 = 13$$

$$15. x^2 - 6 = 0$$

$$16. 3x^2 = 150$$

$$17. 2x^2 - 90 = 0$$

$$18. 5x^2 - 15 = 45$$

$$19. 4x^2 + 3 = 323$$

$$20. -2x^2 + 50 = 2$$