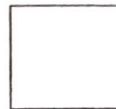


Name: _____

Unit 8: Quadratic Equations



Date: _____ Bell: _____

Homework 11: Solving Quadratics Review

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

Solve each equation by factoring.

1. $x^2 + x - 42 = 0$

2. $4x^2 + 24x + 36 = 0$

3. $14x^2 + 6x = 2x$

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

5. $3x^2 + 23x - 8 = 0$

6. $8x^2 = 3 + 2x$

Solve each equation by square roots.

7. $x^2 + 4 = 29$

8. $9x^2 - 1 = 0$

9. $\frac{2}{3}x^2 - 16 = 32$

Solve each equation

11. $x^2 + 8x - 33 = 0$

12. $x^2 - 57 = 2x + 5$

13. $x^2 + 15x = 73 - 3x$

14. $x^2 + 8x - 45 = 0$

Solve each equation by the quadratic formula.

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

16. $8x^2 - 3 = 8x + 10$