

Name: _____

Unit 8: Quadratic Equations



Date: _____ Bell: _____

Homework 5: Solving Quadratics by Factoring
(Day 1)

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

Solve each quadratic equation by factoring.

1. $x^2 + 7x + 12 = 0$

2. $x^2 - x - 30 = 0$

3. $x^2 - 8x = -15$

4. $x^2 - 10 = 9x$

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

6. $x^2 - 3x + 16 = 7x$

7. $x^2 + 3x - 5 = -1$

$$8. x^2 - x - 46 = 3x - 1$$

$$9. x^2 - 14x - 18 = -8x - 2$$

$$10. 2x^2 - 7x + 4 = x^2 - 8$$

$$11. x^2 + x + 53 = 4 - 13x$$

$$12. x^2 + 3x = 0$$

$$13. 8x^2 - 10x = 0$$

$$14. 9x^2 = 36x$$

$$15. x^2 - 36 = 0$$

$$16. 16x^2 - 49 = 0$$

$$17. 9x^2 = 1$$