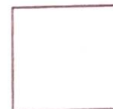


Name: _____

Unit 8: Quadratic Equations



Date: _____ Bell: _____

Homework 9: Solving Quadratics by
Completing the Square (Day 2)

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

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

1. $3x^2 - 36x + 81 = 0$

2. $8x^2 + 16x - 24 = 0$

3. $2x^2 - 12x - 65 = 45$

4. $6x^2 + 12x = 90$

5. $4x^2 + 24x + 16 = 5$

6. $8x^2 + 36x + 30 = 10 - x^2$

7. $10x^2 - 20x - 10 = 0$

8. $2x^2 - 16x - 50 = 16$

9. $4x^2 + 42x = 2x - 8$

10. $3x^2 + 36x + 48 = 0$

11. $2x^2 + 9x = 78 - 3x$

12. $5x^2 = 40x + 5$