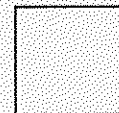


Name: _____

Unit 8: Quadratic Equations



Date: _____ Bell: _____

Homework 6: Solving Quadratics by
The Quadratic Formula

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

Solve each quadratic equation by the quadratic formula.

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

1. $x^2 + 4x - 3 = 0$

2. $-x^2 + 12 = 9x$

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

4. $x^2 - 3x + 1 = 6$

5. $x^2 + 4x + 17 = 8 - 2x$

6. $4x^2 - 6x - 1 = 0$

7. $5x^2 - 3x - 1 = 0$

8. $-x^2 + 7x - 18 = 0$

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

10. $3x^2 - 7x - 4 = x^2 - 4x$

11. $8x^2 - 5 = -4x$

12. $4x^2 - 18x = 0$