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