

Name _____



Date _____

Quadratic Equations

Solve each equation by completing the square.

1. $\frac{1}{2}x^2 + 4x - 4\frac{1}{2} = 0$	2. $x^2 + 5x + 4 = 0$	3. $x^2 + 8x + 7 = 0$
4. $6x^2 - 24x + 96 = 168$	5. $x^2 - 9x - 10 = 0$	6. $\frac{1}{2}x^2 + \frac{1}{2}x = 1$
7. $x^2 + 2x + 25 = 28$	8. $4x^2 - 16x = 20$	9. $3x^2 - 3x = 6$
10. $x^2 + 6x - 7 = 0$	11. $2\frac{1}{6}x^2 - 15\frac{1}{6}x = -13$	12. $x^2 + 8x + 12 = 0$
13. $3\frac{1}{5}x^2 + 22\frac{2}{5}x = 25\frac{3}{5}$	14. $x^2 - 2x + 1 = 0$	15. $2x^2 + 20x = 22$