

Name _____

Hour _____

Mixed Quadratic Equations Solving

Solve each equation using any method (square root, factoring, zero product property, complete the square, quadratic formula). Leave your answer in radical form. No decimals.

1. $(x - 4)^2 + 2 = 7$

2. $2x^2 + 6x - 5 = 0$

3. $x^2 + 6x - 7 = 0$

4. $x^2 + 10x + 2 = 5$

5. $5x^2 + 3x + 9 = 1$

6. $3(x + 8)^2 + 17 = 2$