

Name _____ Hour _____

8.7 Worksheet ~ Completing the Square

Solve the following quadratic equations

1. $3x^2 - 48 = 0$

2. $8x^2 - 128 = 0$

3. $2x^2 - 12 = 0$

4. $(x + 2)^2 = 100$

5. $(x - 4)^2 = 36$

6. $x^2 + 10x - 11 = 0$

7. $x^2 + 10x + 25 = 16$

8. $x^2 + 8x - 22 = 0$

9. $x^2 - 14x + 40 = 0$

10. $x^2 - 6x - 25 = 0$

11. $x^2 + 4x - 12 = 0$

12. $x^2 + 8x + 16 = 1$