

9-4 Solving Quadratic Equations by Completing the Square

Solve each equation by completing the square. You must show all your work. (2 pts for the work + 1 pt for the correct answer(s) per problem)

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

2. $x^2 - 8x + 15 = 0$

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

4. $x^2 - 2x - 15 = 0$

5. $x^2 - 14x + 30 = 6$

6. $x^2 + 12x + 21 = 10$

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

8. $x^2 - 6x + 4 = 0$

Important: Do these problems on separate sheets (plain white or lined paper) to be able to show all your work. Don't forget to label each page completely (Your name, Period Number, Assignment Number).