

UNIT 2 WORKSHEET 13
SOLVING QUADRATIC EQUATIONS BY COMPLETING THE SQUARE

Solve each of the following quadratic equations by completing the square.

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

2. $x^2 - 8x - 5 = 0$

3. $x^2 - 12x + 15 = 0$

4. $x^2 - 5x + 3 = 0$

5. $-x^2 + 3x - 5 = 0$

6. $x^2 + 5x - 3 = 0$

7. $-2x^2 + 8x - 18 = 0$

8. $4x^2 - 16x + 12 = 0$

9. $3x^2 - 18x - 12 = 0$

10. $5x^2 - 3x + 2 = 0$

11. $3x^3 - 2x - 4 = 0$

12. $-2x^2 + 3x + 7 = 0$