

Find the number you should add in order to complete the square.

1. $x^2 + 14x + \square$

2. $x^2 + 4x + \square$

3. $x^2 - 3x + \square$

Solve each equation by completing the square

4. $x^2 - 10x = 24$

5. $x^2 + 15x = -26$

6. $x^2 = 2x + 48$

7. $x^2 + 16x = 92$

8. $x^2 + 2x - 21 = 0$

9. $x^2 = 12x + 6$

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

11. $-x^2 = -8x + 6$

12. $4x^2 + 32x + 44 = 0$

13. List 4 methods you might try when solving a quadratic equation:

- a.
- b.
- c.
- d.