Standard Form of Quadratic Equations

Write each equation in standard form, **ax2 + bx + c = 0**.

Identify the values for **a**, **b**, and **c**.

1. v2 + 6v – 49 = 10
2. 2k2 – 24k = -46
3. x2 – 10x + 26 = 8
4. 2x2 + 12x = 72
5. p2 + 14p – 26 = 12
6. a2 + 12a – 51 = -2a
7. x2 + 14x = 15
8. n2 = 16n + 17
9. 8x2 – 4x = 18
10. 8x2 + 6x = -5
11. 10x2 + 9 = x
12. x2 = -3x + 40
13. 4x2 – 8 = x
14. n2 + 13n + 22 = 7
15. r2 – 7r – 38 = 2r
16. x2 + 7x – 45 = 7
17. x2 – 2x – 15 = 0
18. x2 + 2x = 35
19. 2x2 + 8x – 7 = - 2
20. 4x2 – 1 = 8x
21. 2x2 – 4x + 5 = 6
22. 4x2 – 6x – 1 = 0
23. x2 + 2x – 8 = 0
24. x2 – 7x = 18
25. 3x2 – 2x – 2 = 4