

Solve each equation. Check your solutions.

1) $3x^2 - 5x - 12 = 0$

9) $21x^2 - 6 = 15x$

2) $y^2 + 4y - 12 = 0$

10) $24x^2 - 46x = 18$

3) $g^2 - 4g - 45 = 0$

11) $24x^2 - 30x + 8 = -2x$

4) $24x^2 - 11x - 3 = 3x$

12) $5x^2 + 27x + 10 = 0$

5) $14n^2 = 25n + 25$

13) $12a^2 - 13a = 35$

6) $z^2 = 18 - 7z$

14) $14p + p^2 = 51$

7) $x^2 - 20 = x$

15) $c^2 - 50 = -23c$

8) $a^2 - 3a - 28 = 0$