

Solving Quadratics - All Methods

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Solve using the Quadratic Formula - Level 2

1) $n^2 + 9n + 11 = 0$

2) $5p^2 - 125 = 0$

3) $m^2 + 5m + 6 = 0$

4) $2x^2 - 4x - 30 = 0$

Solve using the Quadratic Formula - Level 3

5) $b^2 - 12b + 10 = -10$

6) $6r^2 - 5r - 4 = 7$

7) $7x^2 - 16 = 6$

8) $6n^2 - 10n - 16 = 3$

Solve using the Quadratic Formula - Level 4

9) $4a^2 - 22 = -10a$

10) $n^2 - 45 = 12n$

11) $5v^2 - 2 - v = -v$

12) $4x^2 - 5x - 3 = 2x^2$

Solve by Factoring - Level 2

13) $p^2 + 6p + 5 = 0$

14) $k^2 - 8k = 0$

15) $x^2 - 7x = 0$

16) $a^2 + 5a = 0$

Solve by Factoring - Level 3

17) $6n^2 + 5n - 25 = 0$

18) $2x^2 - 11x - 21 = 0$

19) $10r^2 + 75r + 140 = 0$

20) $60m^2 + 4m - 160 = 0$

Solve by Factoring - Level 4

21) $4x^2 - 17x + 10 = -5$

22) $2n^2 + 13n + 19 = 4$

23) $5v^2 + 3 = -16v$

24) $20b^2 - 40b = 25$

Solve by completing the square - Level 2

25) $a^2 + 8a + 11 = 0$

26) $k^2 - 14k - 19 = 0$

27) $n^2 + 16n - 17 = 0$

28) $x^2 - 20x + 64 = 0$

Solve by completing the square - Level 3

29) $x^2 + 20x + 70 = 6$

30) $x^2 + 12x + 30 = -5$

31) $7n^2 - 14n - 73 = 9$

32) $9m^2 + 18m - 8 = 5$

Solve by completing the square - Level 4

33) $6x^2 - 48 = -12x$

34) $3p^2 = -12p - 9$

35) $5n^2 + 19n = 3n + 92 - 3n^2$

36) $2b^2 + 17b = 14 + 5b$