

Algebra 1.5

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Solve each equation with the quadratic formula.

1) $n^2 + 2n - 8 = 0$

2) $x^2 - 5x - 24 = 0$

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

4) $a^2 + 2a - 3 = 0$

5) $2v^2 + 5v - 25 = 0$

6) $2n^2 - 3n - 9 = 0$

$$7) 2k^2 - 7k = 17$$

$$8) 9r^2 - 9 = 2r$$

$$9) 4n^2 - 17 = -3n$$

$$10) 2m^2 = -9 + 2m$$

$$11) 2x^2 + x = 20$$

$$12) 8p^2 = 3$$

$$13) 13x^2 + 8x - 17 = 10x^2$$

$$14) 4n^2 + 2n = -6n - 4n^2 + 18$$

$$15) 9v^2 - 8v - 5 = 4v^2 + 3$$

$$16) -7b^2 + 7b - 2 = 10 - 10b^2$$

$$17) 3x^2 - 6x - 5 = 9$$

$$18) 2n^2 - 11n = 11 - 8n$$

$$19) k^2 - 7k - 4 = 6$$

$$20) 10m^2 - 6m - 12 = 3 + 3m$$

$$21) 7n^2 + 3n - 2 = 5n^2$$

$$22) 16p^2 + 20p - 20 = 10p + 10p^2$$

$$23) 3a^2 - 2a - 52 = 4$$

$$24) 4x^2 - 2x - 77 = -10x$$