

Quad Equation: $ax^2 + bx + c = 0$

Quad Formula: $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

Solve by Quad Formula:

① $x^2 - 3x - 10 = 0$

$a =$

$b =$

$c =$

② $x^2 - 3x + 2 = 0$

$a =$

$b =$

$c =$

③ $x^2 + 5x - 6 = 0$

$a =$

$b =$

$c =$

④ $x^2 - 2x = 15$
(*set = 0 first!)

$a =$

$b =$

$c =$

Solve by Quad Form:

⑤ $5x^2 - 11x + 2 = 0$

$a =$

$b =$

$c =$

⑥ $2x^2 - 3x - 2 = 0$

$a =$

$b =$

$c =$

⑦ $x^2 - 4x + 1 = 0$

$a =$

$b =$

$c =$

⑧ $x^2 + 6x + 4 = 0$

$a =$

$b =$

$c =$

⑨ $x^2 - 2x - 1 = 0$

$a =$

$b =$

$c =$

⑩ $x^2 - 4x - 14 = 0$

$a =$

$b =$

$c =$

Solve by Quad Formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$ax^2 + bx + c = 0$$

$$\textcircled{1} x^2 + 5x + 4 = 0$$

$$a =$$

$$b =$$

$$c =$$

$$\textcircled{2} x^2 - x - 6 = 0$$

$$a =$$

$$b =$$

$$c =$$

$$\textcircled{3} 4x^2 + 12x + 9 = 0$$

$$\textcircled{4} x^2 - 4x - 2 = 0$$

$$\textcircled{5} x^2 + 6x + 2 = 0$$

$$\textcircled{6} 5x^2 - 6x - 2 = 0$$

Solve by Quad Formula:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

① $x^2 - 3x - 10 = 0$

$a =$

$b =$

$c =$

② $x^2 - 20 = 0$

$a =$

$b =$

$c =$

③ $3x^2 - 5x = 2$

④ $2x^2 - 5x + 1 = 0$

⑤ $x^2 - 10 = 4x - 2$

⑥ $3x^2 = 8x - 4$

Quad Formula:

$$\textcircled{1} x^2 - 2x - 24 = 0$$

$$\textcircled{2} 2x^2 + 10x + 11 = 0$$

$$\textcircled{3} 4t^2 - 20t + 25 = 0$$

$$\textcircled{4} 3m^2 + 4m = 2$$

$$\textcircled{5} 5y^2 - y = 4$$

$$\textcircled{6} x^2 - 32 = 0$$

$$\textcircled{7} 2x^2 + x = 14$$

$$\textcircled{8} 2x^2 - 7x - 3 = 0$$

Quad formula:

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

① $x^2 - x - 6 = 0$

$a =$

$b =$

$c =$

② $x^2 - 5x + 6 = 0$

$a =$

$b =$

$c =$

③ $2x^2 - x - 15 = 0$

$a =$

$b =$

$c =$

④ $3x^2 - 5x - 2 = 0$

$a =$

$b =$

$c =$

⑤ $x^2 - 8x = 4$

$a =$

$b =$

$c =$

⑥ $5x^2 - 3x - 1 = 0$

$a =$

$b =$

$c =$

$$\textcircled{7} \quad x^2 - 8x + 13 = 0$$

$$\textcircled{8} \quad x^2 - 12 = 0$$

$$\textcircled{9} \quad 3x^2 + 2x - 4 = 0$$

$$\textcircled{10} \quad x^2 + 4x - 1 = 0$$

$$\textcircled{11} \quad 2x^2 - 5x = 2$$

$$\textcircled{12} \quad 3x^2 + 11x = 4$$

Solve by Quad formula:

① $x^2 + 7x - 8 = 0$

② $x^2 - 5x + 6 = 0$

③ $x^2 - 8x - 6 = 0$

④ $m^2 + 4m + 2 = 0$

⑤ $8t^2 + 10t + 3 = 0$

⑥ $n^2 - 3n + 1 = 0$

⑦ $2x^2 + 5x - 1 = 0$

⑧ $3k^2 + 11k - 4 = 0$