

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

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

Solve by Quad Formula:

① $x^2 - 3x - 10 = 0$

$a =$

$b =$

$c =$

$x = 5, -2$

② $x^2 - 3x + 2 = 0$

$a =$

$b =$

$c =$

$x = 2, 1$

③ $x^2 + 5x - 6 = 0$

$a =$

$b =$

$c =$

$x = -6, 1$

④ $x^2 - 2x = 15$
(*set = 0 first!)

$a =$

$b =$

$c =$

$x = 5, -3$

Solve by Quad Form:

$$\textcircled{5} 5x^2 - 11x + 2 = 0$$

a=
b=
c=

$$x = 2, \frac{1}{5}$$

$$\textcircled{7} x^2 - 4x + 1 = 0$$

a=
b=
c=

$$x = 2 \pm \sqrt{3}$$

$$\textcircled{9} x^2 - 2x - 1 = 0$$

a=
b=
c=

$$x = 1 \pm \sqrt{2}$$

$$\textcircled{6} 2x^2 - 3x - 2 = 0$$

a=
b=
c=

$$x = 2, -\frac{1}{2}$$

$$\textcircled{8} x^2 + 6x + 4 = 0$$

a=
b=
c=

$$x = -3 \pm \sqrt{5}$$

$$\textcircled{10} x^2 - 4x - 14 = 0$$

a=
b=
c=

$$x = 2 \pm 3\sqrt{2}$$

Solve by Quad Formula:

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

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

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

$$a =$$

$$b =$$

$$c =$$

$$x = -1, -4$$

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

$$a =$$

$$b =$$

$$c =$$

$$x = 3, -2$$

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

$$x = -3/2$$

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

$$x = 2 \pm \sqrt{6}$$

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

$$x = -3 \pm \sqrt{7}$$

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

$$x = \frac{3 \pm \sqrt{19}}{5}$$

Solve by Quad Formula:

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

① $x^2 - 3x - 10 = 0$

$a =$

$b =$

$c =$

$$x = 5, -2$$

③ $3x^2 - 5x = 2$

$$x = 2, -\frac{1}{3}$$

⑤ $x^2 - 10 = 4x - 2$

$$x = 2 \pm 2\sqrt{3}$$

② $x^2 - 20 = 0$

$a =$

$b =$

$c =$

$$x = \pm 2\sqrt{5}$$

④ $2x^2 - 5x + 1 = 0$

$$x = \frac{5 \pm \sqrt{17}}{4}$$

⑥ $3x^2 = 8x - 4$

$$x = 2, \frac{2}{3}$$

Quad Formula:

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

$$x = 6, -4$$

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

$$x = \frac{-5 \pm \sqrt{3}}{2}$$

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

$$x = \frac{5}{2}$$

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

$$m = \frac{-2 \pm \sqrt{10}}{3}$$

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

$$x = 1, -\frac{4}{5}$$

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

$$x = \pm 4\sqrt{2}$$

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

$$x = \frac{-1 \pm \sqrt{113}}{4}$$

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

$$x = \frac{7 \pm \sqrt{73}}{4}$$

Quad formula:

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

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

① $x^2 - x - 6 = 0$

$a =$

$b =$

$c =$

$$x = 3, -2$$

② $x^2 - 5x + 6 = 0$

$a =$

$b =$

$c =$

$$x = 3, 2$$

③ $2x^2 - x - 15 = 0$

$a =$

$b =$

$c =$

$$x = 3, -\frac{5}{2}$$

④ $3x^2 - 5x - 2 = 0$

$a =$

$b =$

$c =$

$$x = 2, -\frac{1}{3}$$

⑤ $x^2 - 8x = 4$

$a =$

$b =$

$c =$

$$x = 4 \pm 2\sqrt{5}$$

⑥ $5x^2 - 3x - 1 = 0$

$a =$

$b =$

$c =$

$$x = \frac{3 \pm \sqrt{29}}{10}$$

Solve by Quad formula:

$$\textcircled{1} x^2 + 7x - 8 = 0$$

$$x = 1, -8$$

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

$$x = 3, 2$$

$$\textcircled{3} x^2 - 8x - 6 = 0$$

$$x = 4 \pm \sqrt{22}$$

$$\textcircled{4} m^2 + 4m + 2 = 0$$

$$m = -2 \pm \sqrt{2}$$

$$\textcircled{5} 8t^2 + 10t + 3 = 0$$

$$t = -\frac{1}{2}, -\frac{3}{4}$$

$$\textcircled{6} n^2 - 3n + 1 = 0$$

$$n = \frac{3 \pm \sqrt{5}}{2}$$

$$\textcircled{7} 2x^2 + 5x - 1 = 0$$

$$x = \frac{-5 \pm \sqrt{33}}{4}$$

$$\textcircled{8} 3k^2 + 11k - 4 = 0$$

$$k = \frac{1}{3}, -4$$

One in three

$$0.333 = \frac{1}{3}$$

$$8-1=x$$

$$5,8=x$$

$$10-1-8=x$$

$$10-1-8=x$$

$$x=1+15$$

$$10-1-8=x$$

$$10-1-8=x$$

$$u = \frac{2+12}{9}$$

$$f = \frac{2+12}{9}$$

$$10-1-8=x$$

$$10-1-8=x$$

$$x = \frac{2+12}{9}$$

$$x = \frac{2+12}{9}$$