

Quadratic Equation

BINGO!

$x = \{-7, 5\}$	$x = \left\{-1, \frac{4}{3}\right\}$	$x = \left\{\frac{1}{3}, -\frac{5}{2}\right\}$	$x = \{-4, -7\}$	$x = \left\{0, \frac{5}{6}\right\}$
$x = \{-14, 6\}$	$x = \{9, -8\}$	$x = \{2, 3\}$	$x = \{-7, -8\}$	$x = \left\{\frac{5}{4}, -\frac{3}{2}\right\}$
$x = \{6\}$	$x = \left\{2, \frac{5}{2}\right\}$	$x = \{-1, 2\}$	$x = \left\{-\frac{5}{3}, \frac{1}{4}\right\}$	$x = \{1, -10\}$
$x = \left\{-\frac{1}{2}, \frac{2}{7}\right\}$	$x = \left\{\frac{1}{3}\right\}$	$x = \left\{0, \frac{3}{2}\right\}$	$x = \{0, -4\}$	$x = \left\{\frac{7}{3}, -\frac{4}{3}\right\}$
$x = \{-3, -4\}$	$x = \{-8, 3\}$	$x = \{0, -5\}$	$x = \left\{-\frac{3}{5}, \frac{1}{2}\right\}$	$x = \left\{-3, \frac{6}{5}\right\}$

Quadratic Equation BINGO!

$x = \left\{-3, \frac{6}{5}\right\}$	$x = \{0, -4\}$	$x = \left\{-\frac{1}{2}, \frac{2}{7}\right\}$	$x = \left\{-\frac{3}{5}, \frac{1}{2}\right\}$	$x = \{-7, 5\}$
$x = \{-3, -4\}$	$x = \left\{0, \frac{3}{2}\right\}$	$x = \left\{\frac{1}{3}\right\}$	$x = \left\{\frac{1}{3}, -\frac{5}{2}\right\}$	$x = \{2, 3\}$
$x = \{-7, -8\}$	$x = \{0, -5\}$	$x = \left\{2, \frac{5}{2}\right\}$	$x = \{-14, 6\}$	$x = \left\{-1, \frac{4}{3}\right\}$
$x = \left\{\frac{5}{4}, -\frac{3}{2}\right\}$	$x = \{9, -8\}$	$x = \{-1, 2\}$	$x = \left\{-\frac{5}{3}, \frac{1}{4}\right\}$	$x = \{-8, 3\}$
$x = \left\{0, \frac{5}{6}\right\}$	$x = \left\{\frac{7}{3}, -\frac{4}{3}\right\}$	$x = \{-4, -7\}$	$x = \{1, -10\}$	$x = \{6\}$

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$x = \left\{0, \frac{3}{2}\right\}$	$x = \left\{2, \frac{5}{2}\right\}$	$x = \left\{-\frac{5}{3}, \frac{1}{4}\right\}$	$x = \{-14, 6\}$	$x = \{-1, 2\}$
$x = \left\{\frac{1}{3}\right\}$	$x = \left\{\frac{7}{3}, -\frac{4}{3}\right\}$	$x = \left\{-3, \frac{6}{5}\right\}$	$x = \{-8, 3\}$	$x = \{-3, -4\}$
$x = \left\{\frac{5}{4}, -\frac{3}{2}\right\}$	$x = \{0, -4\}$	$x = \left\{0, \frac{5}{6}\right\}$	$x = \{6\}$	$x = \{9, -8\}$
$x = \{-4, -7\}$	$x = \left\{\frac{1}{3}, -\frac{5}{2}\right\}$	$x = \{1, -10\}$	$x = \{0, -5\}$	$x = \left\{-1, \frac{4}{3}\right\}$
$x = \{2, 3\}$	$x = \left\{-\frac{3}{5}, \frac{1}{2}\right\}$	$x = \{-7, -8\}$	$x = \left\{-\frac{1}{2}, \frac{2}{7}\right\}$	$x = \{-7, 5\}$

Quadratic Equation

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$x = \left\{-\frac{5}{3}, \frac{1}{4}\right\}$	$x = \left\{-\frac{1}{2}, \frac{2}{7}\right\}$	$x = \left\{\frac{1}{3}\right\}$	$x = \{0, -4\}$	$x = \{-3, -4\}$
$x = \left\{-3, \frac{6}{5}\right\}$	$x = \{1, -10\}$	$x = \left\{\frac{7}{3}, -\frac{4}{3}\right\}$	$x = \{0, -5\}$	$x = \left\{-1, \frac{4}{3}\right\}$
$x = \{-1, 2\}$	$x = \left\{\frac{5}{4}, -\frac{3}{2}\right\}$	$x = \{2, 3\}$	$x = \{9, -8\}$	$x = \{-14, 6\}$
$x = \{-8, 3\}$	$x = \left\{\frac{1}{3}, -\frac{5}{2}\right\}$	$x = \{-7, -8\}$	$x = \left\{0, \frac{5}{6}\right\}$	$x = \left\{-\frac{3}{5}, \frac{1}{2}\right\}$
$x = \left\{0, \frac{3}{2}\right\}$	$x = \left\{2, \frac{5}{2}\right\}$	$x = \{-7, 5\}$	$x = \{6\}$	$x = \{-4, -7\}$

$$9x^2 + 45x = 0$$

$$x^2 + 17x = 2x - 56$$

$$x^2 + 6x = 2x$$

$$12x^2 = 10x$$

$$x^2 - 5x + 6 = 0$$

$$x^2 + 28 = -11x$$

$$x^2 - 12x + 36 = 0$$

$$x^2 + 8x = 84$$

$$x^2 - x - 72 = 0$$

$$2x^2 + 14x + 24 = 0$$

$$5x^2 - 5x - 10 = 0$$

$$3x^2 + 15x - 72 = 0$$

$$3x^2 - x = 4$$

$$5x^2 + 9x = 18$$

$$2x^2 - 9x + 10 = 0$$

$$10x^2 + x = 3$$

$$14x^2 + 3x = 2$$

$$9x^2 - 9x = 28$$

$$12x^2 = 5 - 17x$$

$$8x^2 - 5x + 3 = 18 - 7x$$

$$5x^2 + 34x - 40 = x^2 - 2x$$

$$2x^2 + 2x = x^2 + 35$$

$$6x^2 + 16x + 1 = 3x + 6$$

$$9x^2 - 6x + 1 = 0$$

$$9x^2 - 17x = x^2 - 5x$$

$$\mathbf{9x^2 + 45x = 0}$$

$$9x (x + 5) = 0$$

$$9x = 0 \quad x + 5 = 0$$

$$x = \{0, -5\}$$

$$\mathbf{x^2 + 17x = 2x - 56}$$

$$x^2 + 15x + 56 = 0$$

$$(x + 8)(x + 7) = 0$$

$$x + 8 = 0 \quad x + 7 = 0$$

$$x = \{-8, -7\}$$

$$\mathbf{x^2 + 6x = 2x}$$

$$x^2 + 4x = 0$$

$$x(x + 4) = 0$$

$$x = 0 \quad x + 4 = 0$$

$$x = \{0, -4\}$$

$$\mathbf{12x^2 = 10x}$$

$$12x^2 - 10x = 0$$

$$2x(6x - 5) = 0$$

$$2x = 0 \quad 6x - 5 = 0$$

$$x = \left\{0, \frac{5}{6}\right\}$$

$$**x^2 - 5x + 6 = 0**$$

$$(x - 2)(x - 3) = 0$$

$$x - 2 = 0 \quad x - 3 = 0$$

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

$$**x^2 + 28 = -11x**$$

$$x^2 + 11x + 28 = 0$$

$$(x + 4)(x + 7) = 0$$

$$x + 4 = 0 \quad x + 7 = 0$$

$$x = \{-4, -7\}$$

$$x^2 - 12x + 36 = 0$$

$$(x - 6)(x - 6) = 0$$

$$x - 6 = 0 \quad x - 6 = 0$$

$$x = \{6\}$$

$$x^2 + 8x = 84$$

$$x^2 + 8x - 84 = 0$$

$$(x + 14)(x - 6) = 0$$

$$x + 14 = 0 \quad x - 6 = 0$$

$$x = \{-14, 6\}$$

$$\mathbf{x^2 - x - 72 = 0}$$

$$(x - 9)(x + 8) = 0$$

$$x - 9 = 0 \quad x + 8 = 0$$

$$x = \{9, -8\}$$

$$\mathbf{2x^2 + 14x + 24 = 0}$$

$$2(x^2 + 7x + 12) = 0$$

$$2(x + 4)(x + 3) = 0$$

$$x + 4 = 0 \quad x + 3 = 0$$

$$x = \{-4, -3\}$$

$$\mathbf{5x^2 - 5x - 10 = 0}$$

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

$$5(x - 2)(x + 1) = 0$$

$$x - 2 = 0 \quad x + 1 = 0$$

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

$$\mathbf{3x^2 + 15x - 72 = 0}$$

$$3(x^2 + 5x - 24) = 0$$

$$3(x + 8)(x - 3) = 0$$

$$x + 8 = 0 \quad x - 3 = 0$$

$$x = \{-8, 3\}$$

$$\mathbf{3x^2 - x = 4}$$

$$3x^2 - x - 4 = 0$$

$$(3x - 4)(x + 1) = 0$$

$$3x - 4 = 0 \quad x + 1 = 0$$

$$x = \left\{ \frac{4}{3}, -1 \right\}$$

$$\mathbf{5x^2 + 9x = 18}$$

$$5x^2 + 9x - 18 = 0$$

$$(5x - 6)(x + 3) = 0$$

$$5x - 6 = 0 \quad x + 3 = 0$$

$$x = \left\{ \frac{6}{5}, -3 \right\}$$

$$\mathbf{2x^2 - 9x + 10 = 0}$$

$$(2x - 5)(x - 2) = 0$$

$$2x - 5 = 0 \quad x - 2 = 0$$

$$x = \left\{ \frac{5}{2}, 2 \right\}$$

$$\mathbf{10x^2 + x = 3}$$

$$10x^2 + x - 3 = 0$$

$$(5x + 3)(2x - 1) = 0$$

$$5x + 3 = 0 \quad 2x - 1 = 0$$

$$x = \left\{ -\frac{3}{5}, \frac{1}{2} \right\}$$

$$\mathbf{14x^2 + 3x = 2}$$

$$14x^2 + 3x - 2 = 0$$

$$(2x + 1)(7x - 2) = 0$$

$$2x + 1 = 0 \quad 7x - 2 = 0$$

$$x = \left\{ -\frac{1}{2}, \frac{2}{7} \right\}$$

$$\mathbf{9x^2 - 9x = 28}$$

$$9x^2 - 9x - 28 = 0$$

$$(3x - 7)(3x + 4) = 0$$

$$3x - 7 = 0 \quad 3x + 4 = 0$$

$$x = \left\{ \frac{7}{3}, -\frac{4}{3} \right\}$$

$$\mathbf{12x^2 = 5 - 17x}$$

$$12x^2 + 17x - 5 = 0$$

$$(3x + 5)(4x - 1) = 0$$

$$3x + 5 = 0 \quad 4x - 1 = 0$$

$$x = \left\{ -\frac{5}{3}, \frac{1}{4} \right\}$$

$$\mathbf{8x^2 - 5x + 3 = 18 - 7x}$$

$$8x^2 + 2x - 15 = 0$$

$$(2x + 3)(4x - 5) = 0$$

$$2x + 3 = 0 \quad 4x - 5 = 0$$

$$x = \left\{ -\frac{3}{2}, \frac{5}{4} \right\}$$

$$\mathbf{5x^2 + 34x - 40 = x^2 - 2x}$$

$$4x^2 + 36x - 40 = 0$$

$$4(x^2 + 9x - 10) = 0$$

$$4(x + 10)(x - 1) = 0$$

$$x + 10 = 0 \quad x - 1 = 0$$

$$x = \{-10, 1\}$$

$$\mathbf{2x^2 + 2x = x^2 + 35}$$

$$x^2 + 2x - 35 = 0$$

$$(x + 7)(x - 5) = 0$$

$$x + 7 = 0 \quad x - 5 = 0$$

$$x = \{-7, 5\}$$

$$\mathbf{6x^2 + 16x + 1 = 3x + 6}$$

$$6x^2 + 13x - 5 = 0$$

$$(2x + 5)(3x - 1) = 0$$

$$2x + 5 = 0 \quad 3x - 1 = 0$$

$$x = \left\{ -\frac{5}{2}, \frac{1}{3} \right\}$$

$$\mathbf{9x^2 - 6x + 1 = 0}$$

$$(3x - 1)(3x - 1) = 0$$

$$3x - 1 = 0 \quad 3x - 1 = 0$$

$$x = \left\{ \frac{1}{3} \right\}$$

$$\mathbf{9x^2 - 17x = x^2 - 5x}$$

$$8x^2 - 12x = 0$$

$$4x(2x - 3) = 0$$

$$4x = 0 \quad 2x - 3 = 0$$

$$x = \left\{ 0, \frac{3}{2} \right\}$$