



Quadratic Formula - Equation to Decimal Roots

1 What roots (solutions) would this quadratic equation have?

$$y = 5x^2 + 3x - 5$$

A $x = 1.68$ $x = -4.22$	B $x = 0.74$ $x = -1.34$	C $x = 0.58$ $x = 1.41$	D $x = 4.37$ $x = 0.18$
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2 What roots (solutions) would this quadratic equation have?

$$y = -4x^2 + 4x + 1$$

A $x = 2.19$ $x = 0.17$	B $x = -5.18$ $x = -3.89$	C $x = -0.21$ $x = 1.21$	D $x = 5.51$ $x = -5.52$
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3 What roots (solutions) would this quadratic equation have?

$$y = 2x^2 - 3x + 1$$

A $x = 3.65$ $x = 0.54$	B $x = 1$ $x = 0.5$	C $x = -5.71$ $x = -4.96$	D $x = -0.38$ $x = 2.89$
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4 What roots (solutions) would this quadratic equation have?

$$y = 2x^2 - 3x - 5$$

A $x = -4.1$ $x = -5.92$	B $x = 2.5x = -1$ $x = 2.5x = -1$	C $x = -4.56x = 4.48$ $x = -4.56x = 4.48$	D $x = 3.56$ $x = -2.62$
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5 What roots (solutions) would this quadratic equation have?

$$y = -x^2 - 5x + 4$$

A $x = 3.66$ $x = -5.28$	B $x = -3.66$ $x = -4.34$	C $x = -1.55$ $x = -1.63$	D $x = -5.7$ $x = 0.7$
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6 What roots (solutions) would this quadratic equation have?

$$y = -2x^2 - 2x + 4$$

A $x = -2$ $x = 1$	B $x = -0.52$ $x = -0.67$	C $x = 4.11$ $x = 5.96$	D $x = -4.35$ $x = 2.86$
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7 What roots (solutions) would this quadratic equation have?

$$y = 2x^2 + 4x - 2$$

A $x = 0.41$ $x = -2.41$	B $x = -4.29$ $x = -4.27$	C $x = 1.83$ $x = 4.34$	D $x = -3.15$ $x = 4.19$
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8 What roots (solutions) would this quadratic equation have?

$$y = -3x^2 + 2x + 2$$

A $x = 0.3$ $x = -0.26$	B $x = -0.55$ $x = 1.22$	C $x = -3.3$ $x = 4.81$	D $x = -3.36$ $x = -2.55$
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