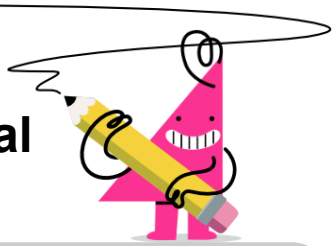
Name

Quadratic Formula - Equation to Radical Roots



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

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

A	B	C	D
$x = -2.86$ $x = 5.08$	$x = 2.22$ $x = -0.55$	$x = 2.58$ $x = 1.54$	$x = 0$ $x = -0.33$

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

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

A	B	C	D
$x = 2.05$ $x = 4.34$	$x = 3$ $x = -0.5$	$x = 3.61$ $x = 5.07$	$x = 5.74$ $x = 1.78$

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

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

A	B	C	D
$x = -0.54$ $x = 1.87$	$x = -5.81$ $x = 0.94$	$x = -3.26$ $x = 3.51$	$x = 0.18$ $x = 4.36$

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

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

A	B	C	D
$x = 1.35$ $x = 3.33$	$x = -5.67$ $x = -2.67$	$x = 1.78$ $x = -0.28$	$x = 5.16$ $x = 2.03$

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

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

A	B	C	D
$x = 3.49$ $x = -0.65$	$x = -0.02$ $x = -3.37$	$x = -4.24$ $x = 0.24$	$x = -3.83$ $x = 2.01$

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

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

A	B	C	D
$x = 2.1$ $x = 1.14$	$x = 1.4$ $x = -0.9$	$x = -5.17$ $x = -2.53$	$x = 1.46$ $x = -1.3$

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

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

A	B	C	D
$x = 5.13$ $x = -3.4$	$x = 5.13$ $x = -5.02$	$x = -0.5$ $x = 2.51$	$x = 0.43$ $x = -0.77$

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

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

A	B	C	D
$x = 0$ $x = -0.4$	$x = -2.24$ $x = 2.2$	$x = -3.16$ $x = 2.3$	$x = 3.27$ $x = 1$