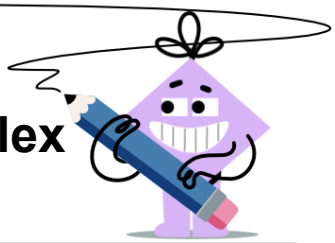
Name

Quadratic Formula - Equation to Complex Roots



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

$$y = -5x^2 - 3x - 4$$

A $x = \frac{3 \pm i\sqrt{71}}{-10}$

B $x = \frac{4.4 \pm i\sqrt{7.7}}{1.3}$

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

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

A $x = \frac{-0 \pm i\sqrt{36}}{6}$

B $x = \frac{1.7 \pm i\sqrt{4.6}}{8.2}$

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

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

A $x = \frac{9.9 \pm i\sqrt{3}}{7.2}$

B $x = \frac{1 \pm i\sqrt{11}}{6}$

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

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

A $x = \frac{7.1 \pm i\sqrt{2.6}}{1.7}$

B $x = \frac{-4 \pm i\sqrt{48}}{8}$

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

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

A $x = \frac{4 \pm i\sqrt{3.5}}{8.4}$

B $x = \frac{-2 \pm i\sqrt{12}}{-8}$

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

$$y = -1x^2 - 2x - 5$$

A $x = \frac{7.2 \pm i\sqrt{4.3}}{3.8}$

B $x = \frac{2 \pm i\sqrt{16}}{-2}$

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

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

A $x = \frac{-2 \pm i\sqrt{28}}{8}$

B $x = \frac{1.5 \pm i\sqrt{4.6}}{2.4}$

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

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

A $x = \frac{5.5 \pm i\sqrt{8.2}}{1.7}$

B $x = \frac{2 \pm i\sqrt{44}}{-8}$