Name

Quadratic Formula - Equation and Vertex Formula to X Coordinate of Vertex

1 What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

A x = -0.5

B x = -0.75

C x = -1

2 What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

A x = -0.75

B x = -0.5

C x = -1.25

3 What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

A x = 0.13

B x = 1.13

C x = -0.88

4 What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

A x = -0.15

B x = 0.1

C x = 0.35

5 What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

A x = 1.33

B x = 0.33

C x = 1.08

6 What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

A x = -0.63

B x = 0.13

C x = -0.88

7

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

A x = -0.85

B x = -0.1

8

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

vertex x-coordinate:

$$x = \frac{-b}{2a}$$

What is the X-coordinate of the vertex of this quadratic equation (use the vertex formula)?

A x = 0.13

B x = -0.13