Name

# Quadratic Formula - Equation to X Coordinate of Vertex

**1** What is the X-coordinate of the vertex of this quadratic equation?

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

| | | | |
|---|---|---|---|
| A | x = -0.25 | B | x = -0.5 |
| C | x = -1 | | |

**2** What is the X-coordinate of the vertex of this quadratic equation?

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

| | | | |
|---|---|---|---|
| A | x = -1.63 | B | x = -1.13 |
| C | x = -0.63 | | |

**3** What is the X-coordinate of the vertex of this quadratic equation?

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

| | | | |
|---|---|---|---|
| A | x = 0.65 | B | x = -0.35 |
| C | x = 0.4 | | |

**4** What is the X-coordinate of the vertex of this quadratic equation?

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

| | | | |
|---|---|---|---|
| A | x = 0.25 | B | x = 0.75 |
| C | x = 1 | | |

**5** What is the X-coordinate of the vertex of this quadratic equation?

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

| | | | |
|---|---|---|---|
| A | x = -0.75 | B | x = 0.25 |
| C | x = -1.25 | | |

**6** What is the X-coordinate of the vertex of this quadratic equation?

$$y = -1x^2 + 3x - 5$$

| | | | |
|---|---|---|---|
| A | x = 1.5 | B | x = 1 |
| C | x = 2.5 | | |

**7** What is the X-coordinate of the vertex of this quadratic equation?

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

| | | | |
|---|---|---|---|
| A | x = -0.5 | B | x = 0 |
| C | x = -0.25 | | |

**8** What is the X-coordinate of the vertex of this quadratic equation?

$$y = x^2 + 3$$

| | | | |
|---|---|---|---|
| A | x = -0 | B | x = -0.75 |
| C | x = -0.25 | | |