



## Quadratic Formula - Equation to X Coordinate of Vertex

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

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

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

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

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

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

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

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

- |   |           |   |          |
|---|-----------|---|----------|
| A | x = -0.45 | B | x = -0.7 |
| C | x = 0.3   |   |          |

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

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

- |   |          |   |           |
|---|----------|---|-----------|
| A | x = 0.33 | B | x = -0.67 |
|---|----------|---|-----------|

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

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

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

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

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

- |   |           |   |           |
|---|-----------|---|-----------|
| A | x = -0.5  | B | x = -1.25 |
| C | x = -0.25 |   |           |

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

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

- |   |           |   |          |
|---|-----------|---|----------|
| A | x = -0.75 | B | x = 0.25 |
| C | x = -0.5  |   |          |

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

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

- |   |           |   |          |
|---|-----------|---|----------|
| A | x = 0.42  | B | x = 0.17 |
| C | x = -0.08 |   |          |