



Quadratic Equation Word Problem To Quadratic Solution Type - 3-Sided

Rectangle

1 Given this equation for the area of a garden along a wall, what would you use to find the x dimension that maximizes area?

$$A(x) = -0.5x^2 + 10x$$

- A The x value of the vertex B The root of the quadratic
C The y value of the vertex

2 Given this equation for the area of a parking lot along a wall, what would you use to find the x dimension that maximizes area?

$$A(x) = -0.5x^2 + 14x$$

- A The y value of the vertex B The x value of the vertex
C The root of the quadratic

3 Given this equation for the area of a parking lot along a wall, what would you use to find the maximum area possible?

$$A(x) = -0.5x^2 + 12x$$

- A The y value of the vertex B The x value of the vertex
C The root of the quadratic

4 Given this equation for the area of a garden along a wall, what would you use to find the maximum area possible?

$$A(x) = -0.5x^2 + 9x$$

- A The root of the quadratic B The y value of the vertex
C The x value of the vertex

5 Given this equation for the area of a parking lot along a wall, what would you use to find the x dimension that maximizes area?

$$A(x) = -0.5x^2 + 8x$$

- A The x value of the vertex B The y value of the vertex
C The root of the quadratic

6 Given this equation for the area of a garden along a wall, what would you use to find the x dimension that maximizes area?

$$A(x) = -0.5x^2 + 13x$$

- A The root of the quadratic B The y value of the vertex
C The x value of the vertex

7 Given this equation for the area of a parking lot along a wall, what would you use to find the x dimension that maximizes area?

$$A(x) = -0.5x^2 + 14.5x$$

- A The y value of the vertex B The root of the quadratic
C The x value of the vertex

8 Given this equation for the area of a garden along a wall, what would you use to find the x dimension that maximizes area?

$$A(x) = -0.5x^2 + 11.5x$$

- A The y value of the vertex B The root of the quadratic
C The x value of the vertex