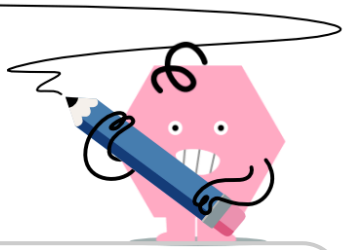
Name



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

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

$$A(x) = -0.5x^2 + 13.5x$$

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

2 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 x value of the vertex	B The y 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 x dimension that maximizes area?

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

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

4 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 root of the quadratic
C The x value of the vertex	

5 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 root of the quadratic	B The x value of the vertex
C The y value of the vertex	

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

$$A(x) = -0.5x^2 + 12.5x$$

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

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

$$A(x) = -0.5x^2 + 9.5x$$

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

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

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

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