



## Quadratic Equation Word Problem To Quadratic Solution Type - Revenue with Price Change

1 Given this equation for the revenue from a lemonade stand, what would you use to find the price that generates the most revenue?

$$R(p) = -50.00p^2 + 70.00p$$

- 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 revenue from a movie theater, what would you use to find the price that generates the most revenue?

$$R(p) = -10.00p^2 + 300.00p$$

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

3 Given this equation for the revenue from a movie theater, what would you use to find the maximum revenue possible?

$$R(p) = -25.00p^2 + 58.18p$$

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

4 Given this equation for the revenue from a movie theater, what would you use to find the price that generates the most revenue?

$$R(p) = -12.50p^2 + 146.67p$$

- 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 revenue from a lemonade stand, what would you use to find the price that generates the most revenue?

$$R(p) = -12.50p^2 + 300.00p$$

- 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 revenue from a lemonade stand, what would you use to find the maximum revenue possible?

$$R(p) = -9.09p^2 + 290.00p$$

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

7 Given this equation for the revenue from a lemonade stand, what would you use to find the price that generates the most revenue?

$$R(p) = -25.00p^2 + 115.00p$$

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

8 Given this equation for the revenue from a lemonade stand, what would you use to find the maximum revenue possible?

$$R(p) = -14.29p^2 + 195.00p$$

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