Name

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

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

$$R(p) = -12.50p^2 + 167.50p$$

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

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

$$R(p) = -20.00p^2 + 187.50p$$

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

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

$$R(p) = -33.33p^2 + 196.67p$$

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

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

$$R(p) = -50.00p^2 + 270.00p$$

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

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

$$R(p) = -10.00p^2 + 200.00p$$

A The x value of the vertex	B The root of the quadratic
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 price that generates the most revenue?

$$R(p) = -14.29p^2 + 198.57p$$

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

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

$$R(p) = -11.11p^2 + 178.89p$$

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

$$R(p) = -20.00p^2 + 113.64p$$

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