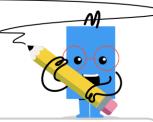


mobius

Quadratic Equation Word Problem To Quadratic Solution Type - Profit by



- Given this equation of production volume. what would you use to find the production volume that maximizes
- Given this equation for the profit as a function of production volume, what would you use to find the production volume that maximizes

$$P(v) = -3v^2 + 5v + 8$$

- $P(v) = -3v^2 + 5v + 8P(v) = -2v^2 + 4v + 10$
- A The root of the quadratic B The x value of the vertex A The y value of the vertex B The x value of the vertex
- C The y value of the vertex C The root of the quadratic
- 3 Given this equation for the profit as a function of production volume, what would you use to find the maximum profit?
- Given this equation for the profit as a function of production volume, what would you use to find the maximum profit?

$$P(v) = -3v^2 + 9v + 7P(v) = -7v^2 + 2v + 11$$

- A The x value of the vertex B The root of the quadratic A The x value of the vertex B The y value of the vertex
- ^C The root of the quadratic ^C The v value of the vertex
- Given this equation for the profit as a function of production volume, 5 what would you use to find the production volume that maximizes
- Given this equation for the profit as a function of production volume, what would you use to find when the profit becomes zero?

$$P(v) = -8v^2 + 7v + 11$$
 $P(v) = -7v^2 + 3v + 11$

- A The v value of the vertex B The root of the quadratic A The v value of the vertex B The x value of the vertex
- ^C The x value of the vertex ^C The root of the quadratic
- 7 Given this equation for the profit as a function of production volume, what would you use to find when the profit becomes zero?
- Given this equation for the profit as a function of production volume, what would you use to find the maximum profit?

$$P(v) = -7v^2 + 6v + 6P(v) = -7v^2 + 8v + 10$$

$$P(v) = -7v^2 + 8v + 10$$

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