Assignment 3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1) A firm's turnover \( y \), measured in millions of rupees after \( t \) years, is given by \( y = 8e^{0.09(1-t)} \). The turnover at the end of 1 year of trading is

- 8 millions
- 1 million
- 6 millions

No, the answer is incorrect.

Score: 0

Accepted Answers: 8 millions

2) The demand function for a product is given by \( P = 90 - 0.05Q \). The units of the product demanded when \( e_d = -1 \) is

- 200
- 450
- 900
- 90

No, the answer is incorrect.

Score: 0

Accepted Answers: 900

3) Let \( y = x^2 + 2x - 3 \) denote the demand \( y \) versus price \( x \) relation. Find the values of price (if any) when demand is zero.

- \( x = 0 \)
- \( x = 1 \)
- \( x = 2 \)
- \( x = 3 \)

No, the answer is incorrect.

Score: 0

Accepted Answers: 0

4) The supply and demand functions are given respectively as follows

\[ P = Q^2 + 12Q + 32, \quad Q = -Q_s^2 - 4Q + 200. \]

Then the equilibrium price and quantity are respectively

- \( P = 120, \ Q = 5 \)
- \( P = 130, \ Q = 5 \)
- \( P = 140, \ Q = 6 \)
- \( P = 150, \ Q = 6 \)

No, the answer is incorrect.

Score: 0

Accepted Answers: 140, 6