

TOPIC

Mathematics – Section I – Question 11

QUESTION

The value of $y(5)$ using Euler's method to solve the ordinary differential equation

$$\frac{dy}{dx} + 2y = x^2, y(1) = 5$$

with a step size of $h = 2$ most nearly is

- (A) -13.00
- (B) 21.25
- (C) 53.00
- (D) 57.00

CONTRIBUTOR

Autar Kaw