

TOPIC

Mathematics – Section I – Question 8

QUESTION

The mean value of a function $f(x)$ from a to b is given by

(A) $\frac{f(a)+f(b)}{2}$

(B) $\frac{f(a)+2f\left(\frac{a+b}{2}\right)+f(b)}{4}$

(C) $\int_a^b f(x)dx$

(D) $\frac{\int_a^b f(x)dx}{(b-a)}$

HINT

Remember the definition of the mean of a function from the integral calculus course.

CONTRIBUTOR

Autar Kaw