Derivative - Class XII

Related Questions with Solutions

Questions

Quetion: 01

If $f(x) = \sin(x + \tan x)$ then find value of f'(0) A. 2 B. $\frac{1}{2}$ C. 3 D. 4

Solutions

Solution: 01

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f(x) = \sin(x + \tan x)
\Rightarrow f'(x) = (\cos(x + \tan x)) (1 + \sec^2 x) [chain rule] Hence, f'(0) = 2
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Correct Options

Answer:01

Correct Options: A