

SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. Which of the following functions is not differentiable at x = 0? $f(x) = x^2 \sin(1/x)$ for $x \ne 0$ and f(0) = 0.

A. f(x)

B. g(x) =

C. x

D.

Solution: The function f(x) is not differentiable at x = 0 due to the oscillatory nature of sin(1/x) as x approaches 0.



SoulShift – Educational Q&A Platform © 2024–2025 Licensed for individual use only SS-CA69C0C9