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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 ≠ 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.

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