



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 $x \neq 0$ 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.



