

October 29, 2020

MAC 2311
Quiz 8

Remember to show all of your work.

Problem 1. Determine all critical points of $f(x) = 4 \sin^2(x + 1) + \cos^2(x + 1)$ on the interval $[0, 2\pi]$.

Problem 2. Compute dy and Δy of the function $y = e^{x^2}$ as x goes from 1 to 0.