

MATH 111-007 QUIZ 6

OCTOBER, 18TH, 2021

Problem 1. Find the derivative of $f(x) = 2^{\ln(\sin(x))}$.

Problem 2. Evaluate $f' \left(\frac{1}{\sqrt{2}} \right)$ where $f(x) = e^{\sin^{-1}(x)}$.

Problem. (Bonus) Do problem 1 in another way, and specify the domain of $f(x)$ and $f'(x)$.