

Quiz 2

Math 101, Term 161

NAME:

ID:

Problem 1. Prove that the equation $x^2 + 2 \cos(x) = 5$ has at least one root.

Problem 2. Find the derivative of the function $f(x) = \frac{1}{x^2}$. Then, use it to find the equation of the tangent line to f at $(1, 1)$.