

Quiz 1

Math 101, Term 161

NAME:

ID:

Problem 1. Find the equation of the tangent line of $y = \tan x$ at $(0, 0)$. (Use the definition of the tangent line being the limit of secant lines.)

Problem 2. For the limit $\lim_{x \rightarrow 0} e^x = 1$, find a $\delta > 0$ that works for $\epsilon = \frac{1}{2}$.