

Quiz 2

Name: _____

1. Find the linearization $L(x, y)$ of function $f(x, y) = \frac{x}{x + y}$ at point $(2, 1)$. Show your work.

2. Find $\frac{\partial z}{\partial t}$ if $z = \sqrt{x} y^2 + x^2 y^3$, and $x = s + 2t - u$, $y = st^2 u$. Show your work.