Math 2270 Quiz 8

Name

Points will be deducted for untidy or disorganized answers

1. (6 points) Let \( f(x, y) = xe^{-y} + 3y \). Find \( \partial f / \partial x \) and \( \partial f / \partial y \).

2. (6 points) Find \( \partial z / \partial y \) if \( z \) is given implicitly by \( xz + yz^2 = 1 \).