Calculus III Quiz 3

Don't forget to write down clearly your **Name**:   and **Net Id:**

1. Mixed partial derivative (5 points) Compute the mixed partial derivative f_{xy} for the function $f(x, y) = \ln(2x + y)$.

2. Tangent plane (5 points) Find the equation of the tangent plane to the surface $z = x^2 + y^2 + 1$ at the point $(1, 1, 3)$.