Quiz 2   Calculus 3   9/21/2007

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Let $f(x,y)=\sqrt{x^2+y^2}$. Find f_x and f_y.

2. Let $z = y \ln x$. Find an equation for the plane tangent to this surface at the point (1, 3, 0).