Math	225:	Calc	ulus	III
Quiz 4	l Fe	b 15	/17,	1994

Name:	
Section:	

1. Suppose that z(x,y) is a function of x and y, and that $x=\cos(uv)$ and $y=\sin(u/v)$. If $z_x(-1,0)=3$ and $z_y(-1,0)=1$, find $\frac{\partial z}{\partial v}$ when $u=\pi$ and v=1.

2. Find the slope of the line tangent to curve defined by the intersection of $z = x^3y - y^2$ and the plane x = 3 at the point (3, 2, 50).