Math 2	225: (Calcul	us III
Quiz 5	Oct	t. 6/8	, 1992

Name:	
Section:	

1. Compute the slope of the line tangent to the curve given by the intersection of the plane y=2 and the surface $z=x^3y-y^2x$ at the point (2,2,8).

2. Let $f(x,y) = y^x$, (x, y > 0). Compute f_{xy} . (Hint: rewrite f(x,y) using the exponential and logarithm functions).