Math 22	25: C	alcul	lus	III
Quiz 6	Mar.	4/6,	199	97

Name:	
Section:	

1. Let R be the triangular region bounded by the lines y=2+x, y=2-x, and y=0. Find the maximum and minimum values of $f(x,y)=x^2-xy+x$ on R and the points where they occur.

2. Find the extreme values of $f(x,y) = \sin(xy)$ subject to the constraint $x^2 + y^2 = 1$.