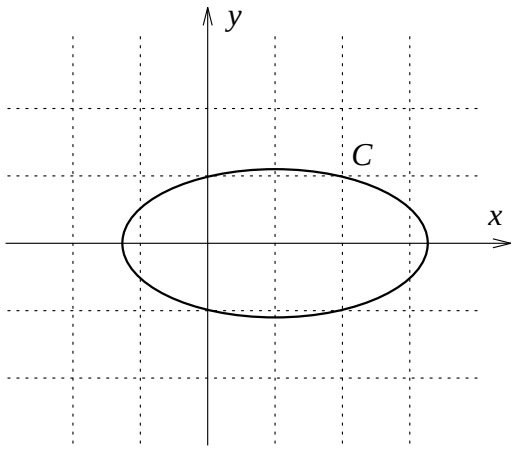
Math 126B **Calculus With Analytic Geometry III** **Fall 1995**

QUIZ #9 ANSWERS

11/30/95

The ellipse C shown below is described by the equation $(x-1)^2 + 4y^2 = 5$. Find the points where the function $f(x,y) = x - 4y - 1$ takes its maximum and minimum values *on the curve* C (not inside it).



Maximum value:	5	is attained at $(x,y) =$	$(2,-1)$
Minimum value:	-5	is attained at $(x,y) =$	$(0,1)$