

Math 225: Calculus III
Quiz 6 Oct. 13/15, 1992

Name: _____
Section: _____

1. In which direction is the function $f(x, y) = \sin(xy)$ increasing most rapidly at the point $(\pi, 1)$?

2. Find the critical points of the function $f(x, y) = x^3y - 3xy + y^2$.