

Name:
October 13, 2016
MAC 2313.6717
Cyr

Quiz 7

You must show all work to receive full credit!!

Problem 1. (4 points) Find an equation of the tangent plane to the surface $xy^2z^3 = 8$ at the point $(2, 2, 1)$.

Problem 2. (6 points) Find the absolute maximum and minimum values of $f(x, y) = x^2 + y^2 - 2x$ on the triangular region with vertices $(0, 0)$, $(2, 0)$, and $(0, 2)$.