Quiz 11 **Name:** _____
Week 14: 04/21/2020
Math 285: Spring 2020
Instructor: Garrett Hartshaw

Instructions:
Please answer the questions below. Show all your work. You may use a TI-84/85 (or equivalent) calculator.

Problem 1. (20 points) Find all points at which there is a relative maximum, relative minimum, or saddle point of the function $f(x, y) = x^3 + 3x + y^4 + 2y^2$.