

Name: _____

Math 2030, Fall 2017, Quiz 8
23 October 2017
R. Bruner

No calculators needed or allowed.

1. Find and classify the critical points of $f(x, y) = x^3 - x^3y - xy + xy^2$.
2. Find the maximum and minimum values of $3x + 4y$ on the curve $x^2 + xy + y^2 = 1$.