Name: _			Math 234 Quiz 6
Section:	328 □	329 □	Oct 23, 2014

1. Consider the function

$$f(x,y) = 2x^2 - 4xy + y^4.$$

- (a) (10 pts) Find the critical points of f.
- (b) (10 pts) Apply the second derivative test to the points of you find.

Bonus. (5 pts) Find the maximum and minimum (values) of the above function.