

## **Math 173 - Quiz 9**

April 13, 2017

Name \_\_\_\_\_

Score \_\_\_\_\_

Show all work to receive full credit. Supply explanations when necessary.

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1. (10 points) Find the maximum and minimum values of  $f(x, y) = xy$  on the unit circle  $x^2 + y^2 = 1$ .