

Math 323  
Extra Credit 2

Name: \_\_\_\_\_

**Due: Tuesday, March 14th, 4:00pm**

1. (2 points) Find an example of a function of two variables  $f(x, y)$  whose second order mixed partial derivatives  $f_{xy}$  and  $f_{yx}$  do not agree for at least one point in the domain of both functions.