King Fahd University of Petroleum and Minerals Department of Mathematics and Statistics

Math IVI (Ierm 151) - Quiz 4		
Student Name	Student ID:	
Exercise 1 [5 points] Let $x^2 + y^2 = 3xy$. (a) [2 points] Find y' .		

(b) [3 points]

At what points is the tangent line horizontal? [Justify]

Exercise 2 [5 points]

Let $f(x) = \ln \ln \ln (x+1)$

(a) [2 points]

Find the domain of f.

(b) [3 points]

Find the derivative of f.