

Math 101 (Term 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 .