

April 12,2015

QUIZ#4 Math101-sec 4.

Net Time Allowed: 20 minutes

Name:

ID # :

Serial #:

Exercise1:(05 points)

If  $y = \log_2(8 t^{\ln 2})$ , then find  $\frac{dy}{dt}$ .

Exercise2:(05 points)

Find the linearization of  $f(x) = e^{\tan^{-1}(3x)}$  at  $x = 0$ .