

March 29, 2015

QUIZ#3 Math101-sec 4.

Net Time Allowed: 35 minutes

Name:

ID # :

Serial #:

Exercise1:(05 points)

If $y = e^z$, $z = \ln u^2$ and $u^2 + 1 = \tan x$. Find $\frac{dy}{dx}|_{x=\frac{\pi}{4}}$

Exercise2:(05 points)

If $x^2 = y^2 + \cos(xy)$, then find $\frac{dy}{dx}$.

Exercise3:(05 points)

If $y = (\sin x)^{\sqrt[3]{x}}$, then find $\frac{y'}{y}$.