

February 25,2016

QUIZ#2 Math102-sec 31.

Net Time Allowed: 25 minutes

Name:

ID # :

Serial #:

Exercise1:(05 points)

Evaluate $\int_0^{\ln \sqrt{3}} \frac{e^x}{1 + e^{2x}} dx$

(Justify clearly your answer!)

Exercise2:(05 points)

Find the **slope** of the tangent line to the curve $y = \int_3^{\sec x} \frac{\sqrt{t^2 - 1}}{t} dt$, $0 < x < \frac{\pi}{2}$,
at $x = \frac{\pi}{3}$. **Justify your answer !**