

March 20, 2018

QUIZ#3 Math102- Sec 9

Net Time Allowed: 35 minutes

Name:

ID # :

Serial #:

(Justify clearly your answer !)

Exercise1:(05 points)

Evaluate $\int \frac{e^{6x}}{\sqrt{4 - e^{4x}}} dx$. (Hint: You may use $u = e^{2x}$)

Exercise2:(05 points) Evaluate $\int \frac{x + 2}{(x - 1)(x^2 + 1)} dx$.

***Exercise3:(05 points) Evaluate $\int_0^{\frac{\pi}{4}} x \sec^2 x dx$