

March 20,2016

QUIZ#3 Math102-sec 12.

Net Time Allowed: 35 minutes

Name:

ID # :

Serial #:

Exercise1:(05 points)

Evaluate $\int \ln(1-x) dx$

(Justify clearly your answer!)

Exercise2:(05 points)

Write out the form of the partial fraction decomposition of

$$F(x) = \frac{2x^2 + 7}{x^3(2x - 1)(x^2 + 25)^2} \cdot \text{(Do not evaluate the constants !)}$$

Exercise3:(05 points)

Evaluate $\int \sin^2 x \tan x dx$ Justify your answer !