

February 13, 2019

QUIZ#2 Math102-sec 28.

Net Time Allowed: 20 minutes

Name:

ID # :

Serial #:

(Justify clearly your answer!)

Exercise1:(04 points)

Find the value of the definite integral  $\int_0^{\frac{3}{2}} \sqrt{9 - 4x^2} dx$ . (Hint:you may use areas !)

Exercise2:(06 points) Evaluate the following integrals:

a)-  $I = \int \frac{dx}{2 + (x - 1)^2}$ .

b)-  $J = \int_1^e \frac{\ln x}{x} e^{(\ln x)^2} dx$ .