

February 4,2016

QUIZ#1 Math102-sec 31.

Net Time Allowed: 20 minutes

Name:

ID # :

Serial #:

Exercise1:(05 points)

Evaluate

$$S = \lim_{n \rightarrow \infty} \left[\frac{2}{n} \sum_{i=1}^n \sqrt{\frac{4n + 3i}{n}}, \right] .$$

(Justify clearly your answer!)

Exercise2:(05 points)

If g is a continuous function on $[-2, 5]$ satisfying : $\int_2^{-2} g(t) dt = 3$ and $\int_5^{-2} g(t) dt = 4$

then find $\int_2^5 g(t) dt$. **Justify your answer !**