

October 5, 2017

QUIZ#1 Math101-sec 12.

Net Time Allowed: 20 minutes

Name:

ID # :

Serial #:

(Justify clearly your answer !)

Exercise1:(05 points)

Find $\lim_{x \rightarrow \infty} \frac{2 + \sin x}{x}$.

Exercise2:(05 points)

Find $\lim_{x \rightarrow 0^-} \frac{|x \cos(2x) - \frac{x}{2}|}{3x}$.

***Exercise3:(05 points)

Prove that $\lim_{x \rightarrow 3} (1 + \frac{x}{3}) = 2$.