

April 26, 2018

QUIZ#4 Math102- Sec 32

Net Time Allowed: 25 minutes

Name:

ID # :

Serial #:

(Justify clearly your answer !)

Exercise1:(05 points)

Test the series  $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{n+2}{n^2 + \sqrt{n}}$

Exercise2:(05 points) Determine whether or not the series  $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{e^{-2n}}{2^{n-2}}$  converges. If it is convergent, find it's sum.

\*\*\*Exercise3:(05 points) Test the series  $\sum_{n=1}^{\infty} \left(\frac{1}{5}\right)^{\frac{1}{n^5}}$