

MATH 102 – Quiz 2

February 20th

Full name: _____

Student ID: _____

Problem. Determine whether the series the following series are divergent or convergent.
Give reason for your answer.

(a) $\sum_{n=1}^{\infty} (-1)^n (\sqrt{n+1} - \sqrt{n}).$

(b) $\sum_{n=1}^{\infty} \frac{e^{1/n}}{n^2}.$

[Grade: 5+5]