

KFUPM

MATH102

Quiz#6

Sec. 6

Name _____

Sr.# _____

Q1) Determine whether the sequence converge or diverge $a_n = \frac{4^n}{1+9^n}$

Q2) Find the sum of the series $\sum_{n=1}^{\infty} \left(\frac{3}{\sqrt{n}} - \frac{3}{\sqrt{n+1}} + \frac{1}{2^n} \right)$