

Math 3100 Quiz 3

Name _____

1. (a) (3 points) Carefully state the definition of the convergence of a sequence $\{a_n\}$ to a real number L .

- (b) (7 points) Using the definition of convergence, prove that

$$\lim_{n \rightarrow \infty} \frac{n}{2n-1} = \frac{1}{2}.$$