

~~A sequence $\{a_n\}$ is Cauchy \iff convergent~~

2. Use the definition to show that the sequence $\left\{ \frac{n-1}{n+2} \right\}_{n=1}^{\infty}$ is Cauchy.

~~Let $\epsilon \in \mathbb{R}$ \neq 0. Let $N \in \mathbb{N}$ positive integer~~