Infinite Sequence & Series

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We will assume you are familiar with all operations of real(complex) sequence

We have defined sequence in a set X tcolorbox Recall : let $\{a_n\}$ be a real or complex sequence, $\{a_n\}$ converges if $\exists a \in ()$ satisfying $\forall \epsilon > 0, \exists N \in \ni \forall n \geq N, |a_n = a| < \epsilon$