**SEQUENCE**

**MODULE: 1**

**Definition:** A sequence is a function whose domain is N and whose codomain is R. Given a function *f* : N$ \rightarrow $ R, where $x\_{n}$ = *f*(n) is the nth term in the sequence.

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**Theorem:** Let $\lim\_{x \to \infty }f\left(x\right)=L$, and suppose that $s\_{n}$ = *f(n)* for large n. Then

$\lim\_{n \to \infty }s\_{n}=L$.



