

LIMIT NOTATION

$$\lim_{x \rightarrow c} f(x) = L$$

The limit of $f(x)$ as x approaches c is L .

$$\lim_{x \rightarrow c^-} f(x) = L \quad \lim_{x \rightarrow c^+} f(x) = L$$

Limit on the left is read: The limit of $f(x)$ as x approaches c **from the left (slightly smaller values)**.

Limit on the right is read: The limit of $f(x)$ as x approaches c **from the right (slightly larger values)**.

If both the limits from the left and from the right are equal, we can say in general that the limit as x approaches c is L .