Lecture 09

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1 Limits

We say that f has the limit \bar{f} at $x=\bar{x}$ if

$$\forall \epsilon > 0 \; \exists \delta > 0 : 0 < |x - \bar{x}| < \delta \Rightarrow |f(x) - \bar{f}| < \epsilon. \tag{1}$$