

3

$f(x),$

$x_0,$

$x_0 \in X$

1)

2)

$\lim_{x \rightarrow x_0} f(x)$

3) $\lim_{x \rightarrow x_0} f(x) = f(x_0)$

$$\lim_{x \rightarrow x_0} f(x)$$

,

$$x \rightarrow x_0$$

$$\lim_{\xi \rightarrow \xi_0} \varphi(\xi) = \varphi(\xi_0)$$
$$\lim_{x \rightarrow x_0} f(x) = \lim_{x \rightarrow x_0} f(x) = f(x_0).$$