JABHOMEPHAR HERPEPHBHOCTH

Onp.

$$\forall \varepsilon > 0 \exists \delta > 0 \quad \forall x_1, x_2 \in X \quad |x_1 - x_2| < \delta \Rightarrow |f(x_1) - f(x_2)| < \varepsilon.$$

nochegobatenbhoctax:

$$f \in \hat{C} \iff \forall \{x_n\}_{n=0}^{\infty}, \{y_n\}_{n=0}^{\infty} \quad x_n - y_n \Rightarrow 0 \Rightarrow f(x_n) - f(y_n) \Rightarrow 0$$

$$X_n - y_n \rightarrow 0 \Rightarrow f(x_n) - f(y_n) \rightarrow 0$$

CBOUCTBA:

$$f \in \hat{C}(a, b) \iff \begin{cases} f \in C(a, b) \\ \exists \lim_{x \to a+} f(x) \in \mathbb{R} \\ \exists \lim_{x \to b-} f(x) \in \mathbb{R} \end{cases}$$

Routepun:

$$f \in \hat{C}$$

$$f \in \hat{C}$$

$$f \in C[a, b]$$

$$f \in \hat{C}[b, +\infty]$$

$$f \in \hat{C}[b, +\infty]$$

$$f \in \hat{C}[b, +\infty]$$

$$f \in \hat{C}[b, +\infty]$$

$$f \in \hat{C}[a, +\infty)$$

$$f \in \hat{C}[b, +\infty]$$

$$f \in \hat{C}[a, +\infty)$$

$$f \in$$

$$f \in D(I)$$
 $\Rightarrow f \in \hat{C}(I)$ $|f'| \leq M$

$$\begin{cases}
3 & \text{fec}[a,+\infty) \\
\text{flim} f(x) \in \mathbb{R}
\end{cases} \Rightarrow f \in \hat{C}[a,+\infty)$$

f∈ C[a, β] <=> f∈ Ĉ[a, β] TEOPEMA (KAHTOPA):