вледующие ор-ин непрерывный:

1) Comenenax xd, d & IR

D - Bo:

a) d = 1: x - kenp. na R

 $\delta d \in \mathbb{N}$   $x^{\times} = x \dots x - \mu d p$  Kax upayseyence

b) d = -n,  $n \in \mathbb{N}$ :  $x^{\alpha} = \frac{1}{x^{\alpha}} - \kappa u n n$ .  $\kappa a \kappa$  raimnoe

2) L = 0: x° = 1 - May . na R

g) d = 1 n e N:

1) n - remnoe => x ~ - 1 na [0, 00)

To sauce o como uposeemyma  $f(0, \infty) = (0, \infty)$ 

2) n-nerema. => x n - 1 na 1R => f(R) = 1R

To  $m^{\circ}$  o  $\exists$  u nempepolou  $f^{-1}$  y nav  $\exists f^{-1}$  nempepolou  $\downarrow 1$  na  $\begin{bmatrix} co, \infty \\ IR \end{bmatrix}, n-2 = f^{-1}(x) = xe^{\frac{\pi}{n}}$ 

c)  $d = -\frac{1}{h}$  :  $x^{-\frac{1}{h}} = \frac{1}{x^{\frac{1}{h}}} - \mu cnp$  . Kak raimuse

 $\ddot{c}$ )  $d = \frac{\rho}{q}$ :  $x^{\frac{\rho}{2}} = x^{\frac{\rho}{2}} \cdot x^{\frac{1}{2}} - nump.$  Kor myonybeg.

2) Sorazung unreckar

 $f: \mathbb{R} \rightarrow (0, \infty)$  ;  $f: \times \mapsto a^{\times}$  ;  $f-\text{nenp. na} \ \mathbb{R}$ 

To m. o I u unp. osp. go-un If-1-unp. u monor.

f-1: (0,00) - 1R, f-1(x) = logax

3) Принонаштрия.

a) sinx lim nnx = nnx.

 $|\text{Pin} \times - \text{Pin} \times_{\bullet}| = |2\text{Pin} \times_{\bullet}^{\times - \times_{\bullet}}| \leq |2\text{Pi$ 

δ) cosx: cosx = fin( = -x) - King. Kar Kaunozuyan

B) ty u cty - unp. war raimuse

δ) arccoix you so ε [0, T] nengryubn. κακ στρ.

b) arctyx nym  $\times 6 \left(-\frac{\overline{H}}{L}, \frac{\overline{H}}{L}\right)$  - num. Kax offs.

2) arcety × nym × € (0; TI) nengrepolon cox oto.