mission Vregnee Boy NT 0800106 2 gryng 6.) Muane $\{f_n(x)\}_{n=1}^{\infty}$ - pregnaga om dopplæy. Cody the $f_n(x)$, $f_i: D \rightarrow |R|$ In was sen (*) He > 0 7 D > 0: |f,(x)-f(x)| < E za i > D

30 HO XED

1 (X) > f(x) $f_n(x) \Rightarrow f(x)$ $\{f_n(x)\}_{n=1}^{\infty}$ e pabronepro chog. 7.) sup I tn(x) - f(x) | to <=> tn(x) => tn(x) = Hera En 120 And CO (*) e Caprio za roe ga e x ED => monder que parresigeme |fn(x)-f(x)| >0 => lim (fn(x)-f(x)) =0 6> lim |fn(x)-f(x))=0

(=> HE 70 | HM- HM | -0 | < 8 39 3750) (23/5/2012 => HEDO FRO: 17-01/2 39 11>) Haosnamoro e ocelhyro Gename 2 >100

RI.f: DNR N-D2 8).f: DOR, DER? Assign Herath (x, y) of the moorne f e pabraciepro ranp Betto, aro: 4070 \$75>0: McBfMo) => |f(M)-f(Ma)=8 3 at MMED, BMO) fe pabren. Henp. & P, are fe palon. renjo. beb + Mot D opruruero => De zamboplero u Fe rempersenamo = 7 $3a p(M_1, M_2) < \delta$ $atM_1, M_2 \in D$ #KEN0 76 70: |f(M+f(M,))KE

Grundera Urgnelly, 4 M F0800106 » pazminama e te, в pabro за да е
pabr. непр. доуглизичта, та траба да
e ффи дефинарала над затворило много. III. e. Konnypu ga é raem em menon. Lino f e reem, mo ocelenguo e publi reemp. $\frac{df}{dx}(x_0,y_0) = \lim_{h \to 0} \frac{f(x_0+h,y_0) - f(x_0,y_0)}{h}$ 10.) Ithober son exemp. e Herra f: D > R D C R T Melagore

You. sor. commy weinc, ano: HARDEN AND BUTTER VE >0: 11 Xo-X 11 ZE = AX JAX) gX E В)
« Hera grad f(xo, yo) +ô, molem не се нущат
Наети пропродни

Нека F(X) =f(X), moraba Hera F(X) = f(X), moraba grad f(xo, yo) = a grad F(xo, yo)

Moraba HY za yal. von. exemp e: grad fy (xo, yo) = x grad Fx (xo, yo)

grad fy (xo, yo) = x grad Fy (xo yo) F(x0, y0)=0