Uplay - vzor mnoziny Vlastrosti funkcioi Obraz mnoziny f'(P) = {a; 36 ep: +(a) = 63 · ohr. + JCER HEEDF; +(x)&c f(M) = {b;]a & M: f(a) = 63 d = 1(x) = c f ((03) - uvm ohr. f 1(0) - inverzna funkcia rust. Hx11x2 EM; X1 <X2=>(X) · monot Okoli bodu 4 (a, E) = [xelf; |x-a| < E] = (a-2 m) Limita postupnosti a: rehus a-stied E-polomer 46>0 700, n>no=> | an-al < E resor. Purna Vx 6Dt; f(-x)=f(x) - porita Veta odvoch policajtoch 11-x) = -+(x) ex. nie Ntuk, se pro non, je Nech liman = lim on = a, a with rep. (tiche) 1 def- abor must byt sym. Keden an = cn = bn. Potom ex. limita (cn) a lim cn = a. Limita tunkcie - c. A je e.f. flx) v b. c ale plati. · periodicta 3p+12 (63 Vx +D+,+(x1p)=f(x) 3>14-(x)+1 <= 8>10-x1>0;0<8E 0<34 2116 C- X Slavník pro Derivacia v bode f'(x0) = lim (1x) - +(x0) derivacie Napojitost Asymptoty · wista (bez smirrice) lim f(x) = 1 × alebo lim f(x) = 1 × x > a . J. druhy (shok) -· 2. druhen a=lim flx · sileni (so smernicou) lim [+(x)- (ax+6)]=0 b=lim[flx)-ax] Poty inica, normala y -f(x0) = f'(x0) (x-x0) y - f(x0) = - 1 (x-x0) Pravida derivovania . (f(x) + g(x))'=f'(x) + g'(x) 3 · (c-t(x)) = c-+(x) · (fix) - gix)] = +(x) -gk) ++x-g/2) = | f(x) | = 1/(x) g(x) - 1(x) g(x) = (tog) (x0) = f'(g(x01).g'(x0) Tayloras polyn. Priebeh tunkine Inflexm had 4) Priesic - Survey 1) 0+ konverní zhonkavna Tr(x) = f(x0) + f(x0) (xx0) + ... + f(x) (v0) .(x-x0) + C y new ex. viusting der-ce! 2) Parita 111(x) -> how/hork 3) As-ty News. integraty Jodx 11dx X Num ries. relin. rounic $\int \frac{f'(x)}{f(x)} dx = \ln |f(x)|$ x1 = B1 - 61-01 +(B1) · m. birelie Calxi It dx (xhdu htt. Proster iteration fly colx-r arer Podowaly: em. regula fulsi If (ax+6)dx = a Flax+6) I sink de LINK · Newtonova m. (dotytnice) - LOSX tg x Salk dx - wtg x / windx fatiri + 6givi dx = 2) St. f.(x) 't.(x) 1) 9 (4) dit. nu; g ((a,6) = (a,6) = a fluidx + b /g/ widy sex dx Fig 3) sp. +(x) =0, +(v) rement 1) AL 3d & (0,1) = 1914116d [u(x)o'(x)dx = u(x)o/x) dx 1 ardg & Strat 芸山芸 bre (a, b) (191(x1/41) poe - to calls - [wixi vixi dx I permy bod t-ce g na (a,6)

If poir ap, mare my lub. vocta, 6)

If let dx = flg(t)]g(t)

I x the reg(t) Colx+Tr+6 / Lety arcsin 9(x0). tn(x0) 20] [x+H dx = 2 [x+16+ 2 ln |x+1x+6], 6+0 XAH = Xn - f(xn) Steldx = & (+(x0) +4+(x1)+2+(x)+4 = + 2+(xx2)+4+(xx)+4/(xx Vk = 9 (Vk-1) Object telisar bimp sonova nutodi MEU (x) USW V= 1 (High) dx | Starb+ = 60 (Ha)+4+(916)++(6)) ["Mospitalowo pravide (2) (3) marina na derivace til Jank Qn(01=(x-a)2-(x-6)(x-4-cg-d) Sty (x) dx = - 5- six dx = - la los x1+C Lichahein met. 1 Hridx = 9 (11-19x= 8-0 (HB+f(0)) Jexen(e)dy = |ex=t | = just dt = sint+c=sinleMe Sfixldx = h(2f(x0)+f(x1)2...+(xm-1)22f(xm)) urtity integral] arctg (4) dy = | u=arctg(v) 11 = 1+x1 = [x artg(x)] - 1 lode = 0 fldy = 6-in file de = ffledde + fileddy