aveta or do = t = orretga elt= davetgx = (avctgx)'dx == $\int t dt = \frac{t^2}{2} + C = \frac{avctg^2x}{2}$ Onnegenerypin unmerpeter, necoconberence Robnioperure ein - remeporbua 1) + (x) - onpegenenos B mons 3 lim f(x) 3) $\lim_{x \to 0} f(x) = f(a)$ Blowner 26 = 01. Horz- Col mornoù pa

na reploso poga go- vous y = f(x) lim f(20) = C1 = const 6m f(20) = C2 = const un bouncemaence xometon ogno uz $\lim_{x\to a-o} f(x) \neq f(a)$ lim f(x) = lim f(x)

x=a+0

nga co-g by norne x = or uneem

chiparturbou pazport neporo Eun lim f(x) = lim f(x) \ f(a) morga go- a B moure x = a mueller yenganuncie heploro poga. monoro poya oo usten y = f (x) penninga mannya congraba lin f (x) men grannya culta lin f (x) men grannya culta lin f (x) men grannya denoveryo Alim f(x) um lim f(x) = 00

lim f(x) will lim f(x) =00 apporto x = x0 tolas - in f (x1) - 20 - a-o f(x1), en en garrison aro impege astron a til patros demosientioning rabula Haxognigeture moren rememappeag yell swally max payport marono Bongernox as Morbiton ma onjeguetition unimplant Mulymapport O-went momen ne onjedentia you quatien, uno ona longen on eglisera nomissoi e 3) Hezremermor go-and nomen muent parporbor nan b mornar rge on onjeguetion, man in fres mornas, rge ptus reorgegenena zorgana removement Haypunen. P- 91 Comanismuning quel Manufrereneum cassion immerpared no na yannyl nonlem Sound pagnorbrion X

19: $D(f) \in (-\infty : -1) \cup (-1 - 1) \cup (1, \infty)$ $\lim_{x \to 1} \frac{x}{x^2 + 1} = \lim_{x \to 1} \frac{x}{(x^2 + 1)} = \frac{1}{x^2 + 1} = \frac{1}{x^2 +$ Pg = 7 Pa3 porbor 2 pages

Q y= 202+2-3 $D(f) : (-\infty; -3) \cup (-3; 1) \cup (1; +\infty)$ $\lim_{3c \to -3^{+}0} x^{2} + 2\pi - 3 = \lim_{3c \to -3^{+}0} (3c+3)(x-1) = +\infty$ x = -5 $y = \frac{1}{12}$ $\sqrt{2}$ x = -4 $y = \frac{1}{16}$ lim 202+2x-5 = lim 1 20->1-0 = 2x-5 = x->1-0 (143) (x-1) = -0 $\lim_{\chi \to 1+0} \frac{1}{(\chi+3)(\chi-1)} = +\infty$