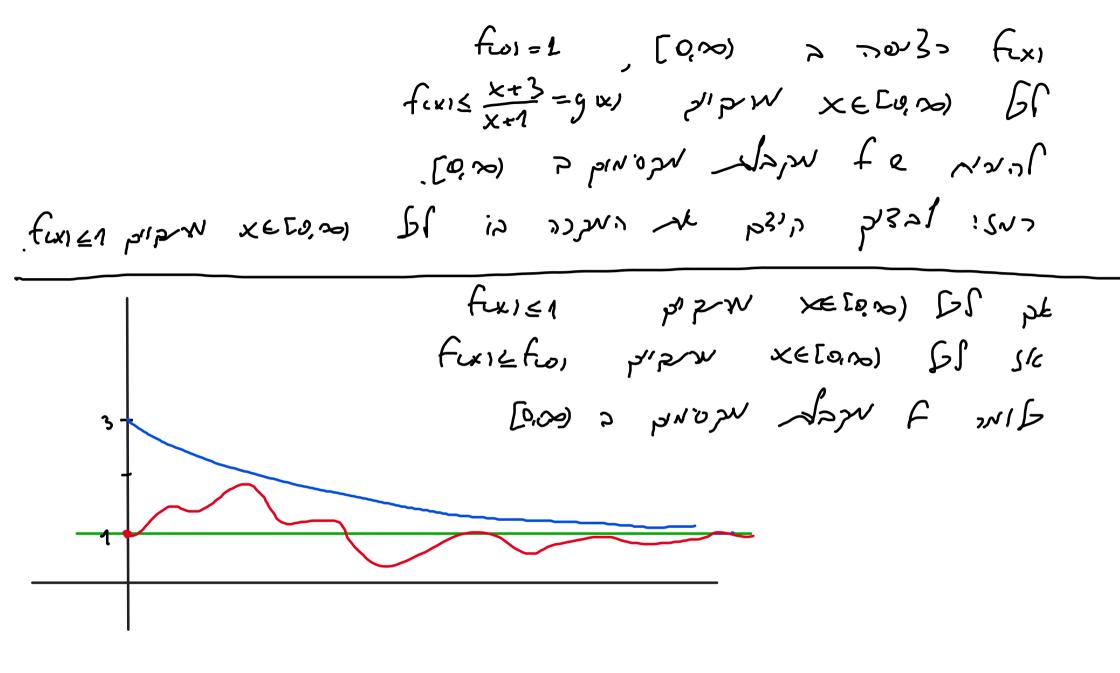
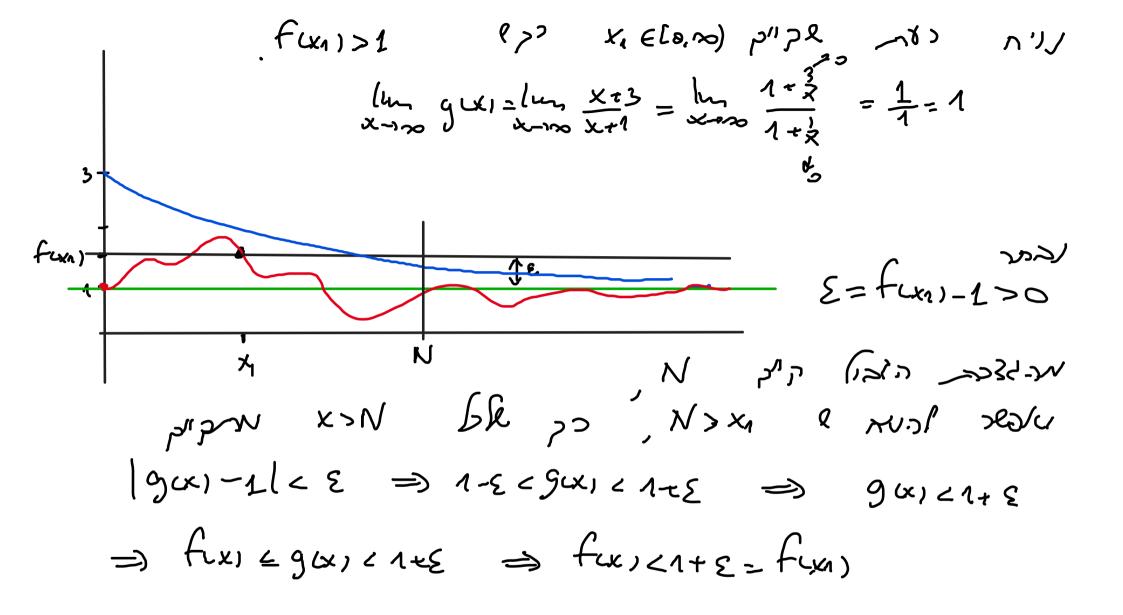
4 2 1 1 2 1 1 2 2019 AUS: 19 #6 82019 (7840) Maison: 5 73101

 $(0,\infty)$ $\Rightarrow \eta N (0 r) f(x) = \frac{Sin x}{x} e \eta (0,0)$ ens Nr y eing Ein chier (6,00) > 20/3> F CAST INCLE + U. (4.45 GW) hu fus=hu sinx =1 $\int_{C_1} rac r = \frac{1}{2} = 3 \quad \text{with}$ 50 06×50×5 (fex)-1/25 1, < fx, < 3

lun fixi=lun sunx. = 0 (K > 3N(OU .2) DO & 22,202 2N(OV PINX | pur f =0 $2.22 \text{ GeV} \ 500k \times 500k \times$ W. = max {N, 8+1} Nex Wex Wex Wex => -42 FUXICH NI > StA > S

17 (000 2 2013) FR MI) (LX XI) [], N,] < (0, 20) ([S, N₁] 2 20032 te NIC, [S.N.] > WION FR SON OSCISII CE 11872) (281.2N A = fex) = B spor xe[S,Nn] Sk > A.B p'N" R= max {4,B} اره سر! 15/4 x = mh {-4, A} WEHSZCHUNLZEHEB مدحواها xews) Pl Q SA Etwick EB المعراج ديم × < [5,N,] as-uctualish EB מציק ווה x > N1 Since Sol (0,00) > WIUN F , Q E FIXI E/B , xe (0, xo)





mae etales. (NOJ3). . fcc) > f(x) 2">W XE[O,N] bs , >/i foci > fixa) Gas pli oex eN Feers fexus fexus fexus prison xon bli => fee) > fex, XECO, 20) SI fcc) > fcx, prom احمور درط راس کا الاه می الاه الاه می مادر ا

الم عال المراع المراع

· 12 > "> 20,3, fex) = 1/1+1x1 6 61217J وردرا]: کور ددی ورده ב. מביימק לשואר או מיקיום (61 0<3) | fun fun = | 1 - 1 / (1 + 1 x1) | = | (1 + 1 x1) - (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | = | (1 + 1 x1) (1 + 1 x1) | $=\frac{||x|-|y||}{||x|+|x||} \leq \frac{|x-y|}{||x|+|x||} = \frac{|x-y|}{||x|+|x||} \leq \frac{|x-y|}{||x|+|x||} \leq \frac{||x-y||}{||x|+|x||} \leq \frac{||x-y||}{||x|+|x||}$ =) (1+1×1) (1+1×1)>1>0

. δ= ε ρ''ρ~ 14-×1<δ ρ'νη πλ χη ε β2 (5) ζω ! fun-fun) < δ= ε

 $\lim_{X \to \infty} \frac{1}{1 + |X|} = \lim_{X \to \infty} \frac{1}{1 - |X|} = \lim_{X \to \infty} \frac{1}{$ (3) (3) (4)

(0, 20) 2 (") 20,30 fix1=arctan 1= と いかりり In fix = lin arctan $(x^2) = \lim_{t\to\infty} \operatorname{arctan}(t) = \frac{\pi}{2}$ $t = x^2$ lu 12 = 00
x-00+ 22 = 00
x-00+ 429 (20) $h(x) = \begin{cases} arctan \frac{1}{x^2} & x > 0 \\ \frac{\pi}{3} & x = 0 \end{cases}$. 2727 11/2 (0,00) 2 29/2 | 1/5/ prix = arctant (0,00) 2 ردددد دالعرفيد دي در دردد المحله عن

 $\lim_{x\to s^+} h_{ux} = \lim_{x\to s^+} \arctan \frac{L_2}{x} = \underbrace{\mathbb{I}}_{z} = h_{us}$ $\lim_{x\to\infty} h(x) = \lim_{x\to\infty} \arctan \frac{1}{x^2} = \arctan 0 = 0$ $t = \frac{1}{x^2}$ $\lim_{x \to \infty} \frac{1}{x^2} = \frac{1}{x^2} = 0$ Jo. Mes 141) & acces 11.5 arden abylan subsil

1261 वदा ०१६।

76. (2) (0,0

פרבין שלרנר حدرد دو دهر دالرئي دورود حومالا (0,00) ع د کرده د ((NECKE = 40), (0,2) 2 2092 £ C23> lum fex, = fiz) 大シケー ナックラング ואני לבנוע אלה סוכיים. (0,2) = W= 503= Fe 250 549 GW 108 (91) 2 e/2 2012 + 5 182 44 2/8(2) 10/1 (0,00) = 20032 c, cquec = (00) lun fix = lun arctan | z = ... = 0 الدا عمرا دادا

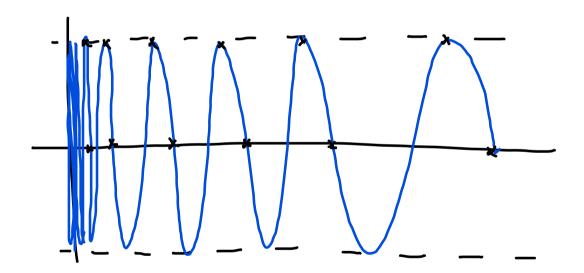
1/6. (2) NLC (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04). 2 (04).

(0,T) > C/2 2013 = (2x1=X5/14) الدرديم ا lin f= == 0 In fux, = fc Ti X-12- 1 (07) 2 6 50/2 6 12 20/ 545 (200 10/1)

ر لا بدیم ک

とっし つハンノ 5>0 121

ב ב'ך להיכית: הונת סכש בת אל סכל היימה (AD) איא , שב וא-או 1 Figs-fexs) = | sin = | sin = 2 = E



$$\frac{1}{2\pi n} = \frac{1}{2\pi n}$$

$$\frac{1}{2\pi n} = \frac{1}{2\pi n}$$

$$0 < y_n = \frac{1}{2\pi n + \frac{y}{2}} < \frac{1}{2\pi n} = x_n$$

$$f(x_n) = \sin \frac{1}{x_n} = \sin 2\pi i n = \sin 0 = 0$$

$$\sin \frac{1}{x_n} = \sin 2\pi i n = \sin 0 = 0$$

$$f(y_n) = sin \frac{1}{2} = sin \frac{1}{2} = sin \frac{1}{2} = 1$$

$$\Rightarrow | f(y_n) - f(x_n) | = | 1 - 0 | = 1 \ge \epsilon$$

$$|y_{n}-x_{n}| = x_{n}-y_{n} = \frac{1}{2\pi i_{n}} - \frac{1}{2\pi i_{n}+T_{/2}} = \frac{\pi v_{2}}{2\pi i_{n}} (2\pi n+T_{2})$$

$$\frac{y_{n}(x_{n})}{y_{n}-x_{n}} = \frac{1}{4\pi i_{n}} < \frac{1}{2\pi i_{n}} = \frac{1}{2\pi i_{n}} < \frac{1}{2\pi i_{n}} = \frac{1}{2\pi i_{n}} < \frac{$$