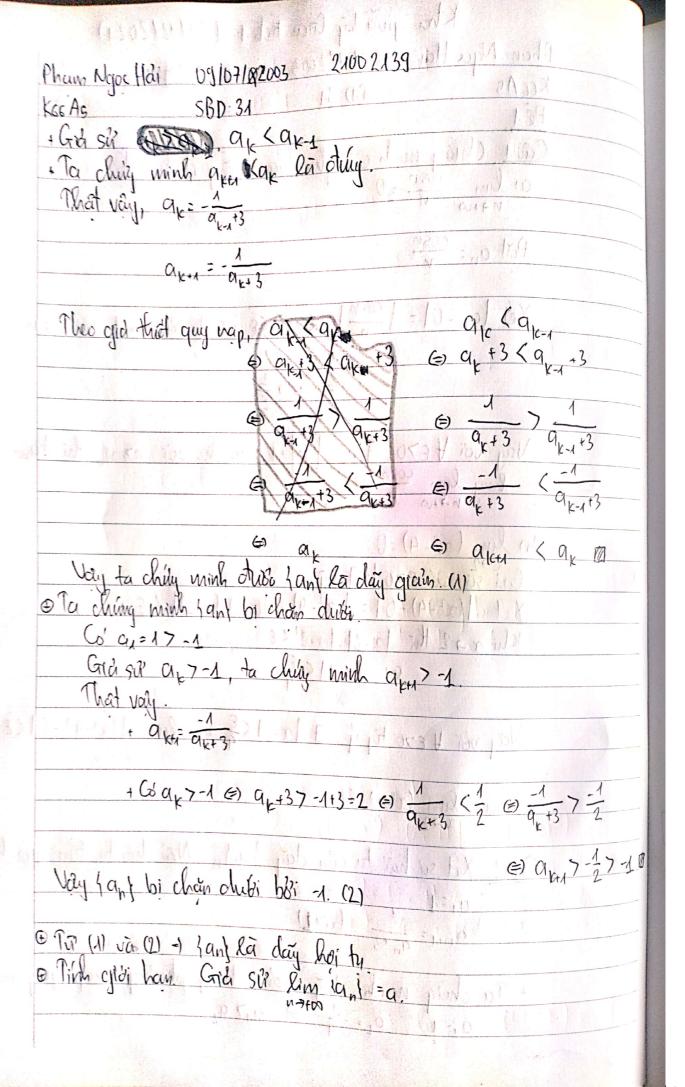
Kha giữa lày Giai tich 1 (14/12/2021) Pham Nga Hai 09107/2003 21002139 SBD: 31 KEE AS Pé1 Can Chung minh cat ghan san boing tinh nghia Dat an = cosn Xet lan-01= 1 cos n 1 < 2 < E UT los n < 1 voi +n G n72 Vay với 4 €70, 7 no= [2 +1 Sao cho với n7, no thi lan-0/ < € hay lim cosh = 0 by lim (x2-4)=0. Gid sa co E70 bât kg $\chi_{ef} |(x^2-4)-0| = |x^2-4| = |(x-2),(x+2)| < \varepsilon$ Khi x = 2 th 1x-21.1x+2/< 8 (=) 1x-2/5 = Vay với 4 870 tùy ý, 3 1x-21 (mg lain 1(x2-4)-0/(8 hay lim (x2-4) <0 Caul. Xát sự hoị tu của dấy lang. Nài hỏi tu, tim giới han og day $\begin{cases} a_1 = 1, \\ a_{n+1} = \frac{-1}{a_n + 3} \\ (n71) \end{cases}$ + Ta chường minh day giain bang phường pháp quy nap. a=1 02=-1 => a17 92.



Pham Nabe Has	09/07/2003	2100 2139	1 1013/7
KCC Ac	SO D 21		A N
To có a	= -1		
P NAM	$= \frac{-1}{\alpha_{n} + 3}$	A 135 ONE TO	100
(-) (2)	= -1 (lay ly	2.(6)	
	a+3	2007	
(E) (G ²	+ 3a+1=0	4.1	
() =	= -3+15		
u	$= \frac{-3+\sqrt{5}}{2}$ $= \frac{-3-\sqrt{5}}{2}$	- 4 4 1 - R	OV.
L 01	= -3-09		N.
OI TO Chily MM	nh đe năng CIKHA>	-1 => Koai a=	2
	(phân to	ey) => lay a = =	-3 4 16
		=) lay a = .	2
112 0	23+16) 100 (10)	ALV COLOR
Vây lim an		174	
	7 MM MW & F X 100		53+
Cau 3. Pinh colo	clien han san	$\frac{1}{\sqrt{1+\chi^2}} e^{x-1-x}$	(x)
a) lim 3-2	b) &	m (1+x2)	
2+3 2-3	Bgiai	" (Dy 197) y	
ar Xet	3×-x2	12-3-0.	
$\lim_{x \to 3^+} \frac{3^2 - x^2}{x - 3} = \lim_{x$	$ \frac{3^{x}-x^{2}}{x^{2}} = +\infty (\sqrt{x}) $	-131 =1 x-370)	0,
*			27-9=1870
lim 32-22 = li	$\lim_{3^{2}} \frac{3^{\frac{1}{2}}x^{2}}{x-3} = -\infty$ [$\lim_{3^{2}} \frac{3^{\frac{1}{2}}x^{2}}{x-3} = -\infty$	li x + 3 =) x	-3 < 0
$\alpha \rightarrow 3^ \alpha - 3$ α	13-2-5	3	-x2-27-9=1820
Vi lim Ar) +	lim g(x) nen thon		
X+3+ 3	x+3-	· x+3	χ-3
1-2 Pro (1+22) (2-1	-x (1, 1)		
b) lim (1+x2) [2-1	Mary Wall		
7 19 117	7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nat B.	W
	7		78
		- 151, 10, -	
		1997	3110 3 1

Phan Ngoc Har	09/07/2003/11/2/002	1012
KECAS	SBD:3412100	100000
20011/0	Chen tuc và khả vi cha he $x=1$. $\cos(\frac{1}{(2x-1)^2})$ hến $x \neq 0$	Tun Số Loga IR
Can4. Xet trub	cien Tyc Va Fug VI cha ve	1. (-)
) (2	x-1). cos((1/2) hey x #	2
g(x) = \		1
	Since.	<u>* 2</u> ,
0.0.0	Bardi.	
FTXO: IR OXETHI	nh liên tuc	2 - 1 0/ - 1 0
+ Voi x + 1 => g($x = (2x-1).\cos(\frac{1}{(2x-1)^2})$ kg h	ham socap = glx) lien tuction
1K (4-2) (1)	(2 × 15 10 × 10 × 10 × 10 × 10 × 10 × 10 ×	mysid still
1 Tai x= 1/2 ta co	· (d de la	
$g\left(\frac{1}{2}\right)=0$		
lim (1x-1).a	os (1/2x-1/2) (x)	
1986		was just
Boil u= 2x-1	=> Khi x+2 thi u > 0	
(x) @ Lim	$u.\cos(\frac{\pi}{u^2}) = 0$ In u	0 Ra Vo cing he kod 1) 6
No a	là ot	ai ludy bi chain)
vay lim	g(z) = g(0) → Haim 50 lien to	in tain=1 (2)
1 1 1 (1) m	4100110	1. Y 10
Vary (11,12) =	g(x) lan tu train.	= 3 - (3 - 1)
0 V 4 L(0 10 2		C+V
Netting Pha	v_{1} . v_{2} v_{3} v_{4} v_{5} $v_{$	(11)
+ VOI 7 ≠ 2 +a	2 (1x-1) cos (12x-1)	(0) [
1-1 (1 s	$=7 f'(x) = 2 \cdot \cos((2x-1)^{-1}) +$	$(2x-1)$. $[-\sin((2x-1)^{-2}), ((2x-1)^{-2})]$
	= 1 cos ((2x-1)-2) = 10	(1) (2) (2)
	= 1 cns((7~1)-2).	x-1), sin(2x-1)-2), 2, 2, (2x-1)
+ Voi 2=1, ta		$sin((2x-1)^{-2}), (2x-1)^{-2}$
g(x)-g(2)	$= \lim_{x \to \frac{1}{2}} \frac{(2x-1), \cos((2x-1)^{-2})}{x-\frac{1}{2}} =$	
x12 x-1	= lim - x-1 =	lim 2 cos((2x-1)-2) la 7
2 2	72	x+12