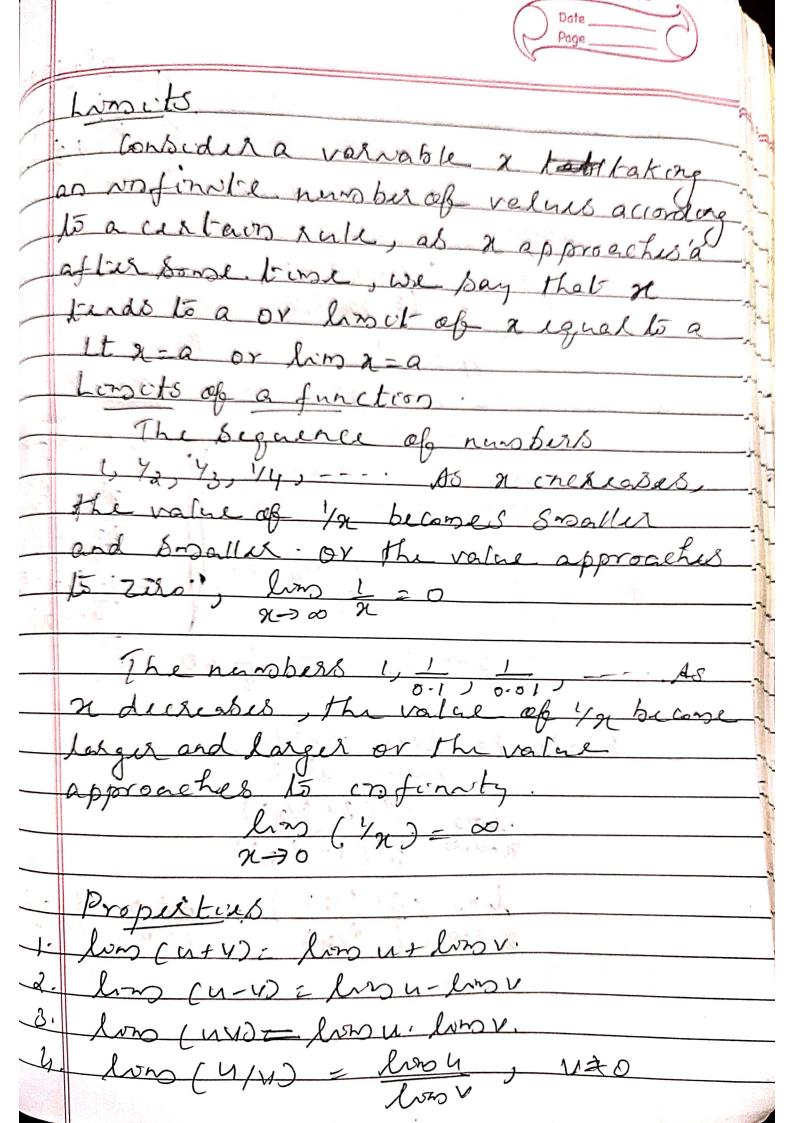
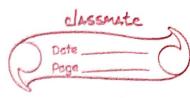
51 56, 57, 57, 61, 59 varnable. A varnable is a varying quantity y whose valore changes duting any mathematical invisibligation eg with atmospheric temperature 2. The angle between the hour hand and mounte hand of a working clock, Dependent and Independent variables A vorrable whose value is choses arbotrascily is called stalpendest varnable. A dependent variable depends. on independent variable. g: 4= f(x). constant is a fined quantity whose value simains unchanged throughout a mathematical investigation 19: 11 = 3.14 Function If a variable y dunder depends on a variouble a insuch a way that each value of a determines exactly one value of Yother we say that y is a function of x, nit can be

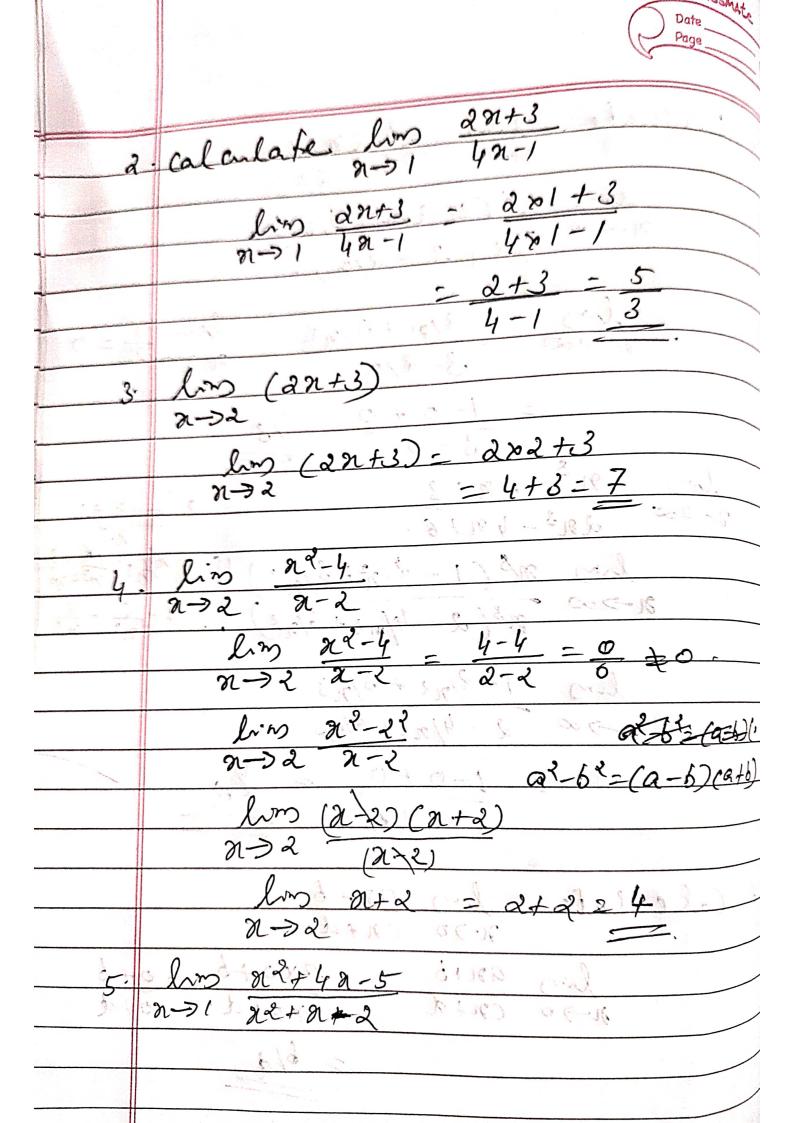
whiten as y=f(2) 1) y = f(x) are called explocat furetion. eg: 42en, 42821 82 If a function on a and y is given in such a way that H and y can not be separated, then the function is called implicat function. Parametroc function If two varvables a and y are variable the variable is Colled the parameter and the function containing the parameter is known as for ameliner function. egz (1) 2=at2, yzbt? parametroe function with parameter t-(2) 9=0 Cos co, y = b Sonce. with parameter o

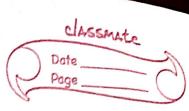


Calculate hos 22+29+1 2-300 29+2-3 -3/n2) 1-1n-3/n2) n-300 # Soulary 2?-29+8 lm/220-Evaluate lin → 20 4 n3 - 3 ho ni (1-2/2+8/22) n3 (4-3/23) 4-8/n3 lung /2 = 4 x0 = 0 ルーラの Ri-2 Evaluate. los 2(3+5/n2) 1-300 2(1-2/n2) hm 13+5/22) 700



у.	Evaluate him nr-2n+s.
-	शाना उत्रर-२%.
and the same of th	long gri (1-2/21+3/22)
	81-300
-	n-2 nr (3 - 2/n)
-	lun 1-4/1/2 lun 1=0
	2-2/21
	= 1-0+0 = 1/2
	1.4 Sak 3 - 0 2 A R S = 50.
-	$l_{nn} = n^3 - dn + 3$ $n^3 - dn + 3$
>	$\frac{3}{3} - \frac{1}{3} + \frac{3}{3} + \frac{3}$
	$lm = \frac{3}{2} \left(1 - \frac{2}{2} \left(n^2 + \frac{3}{2} \left(n^3\right)\right) \right) = \frac{n^3}{n^3} + \frac{3}{2} \frac{1}{2} \frac{1}{2}$
	21-200 gb (2-4/n+6/n3) 1=1-22 75
	luns 1-2/n2 + 6/n3
4	n-70 2-4/n2+6/n3
*	1-0+0 = 4
•	
	2-0+0
6.	Calculate lun anto
	A CONTRACTOR OF THE CONTRACTOR
	los anto axoto 20+6
	n-ro crita - crota ota
	2 6/d





	long 22+42-5 = 12+12/-
	$\lim_{n\to 1} \frac{n^2 + 4n - 5}{n^2 + n^2} = \frac{1^2 + 4n - 5}{1^2 + 1 - 2} = \frac{1 + 4 - 5}{1 + 1 - 2}$
_	
	2-2 0/ =0
-	
_	Numbers -1 and 5 pdl-=-5
	ling (21-1) (21+5) Sun = 4
	n->1 (n/1) (n/2) numbers 1 and 5
	pat=185=5
	1dl2 Sym=1+5=6
	Sum 2 / But pdt=18-5=-5
	nambers 1 and -2 Sum = 1-5=-4
	Jasopers I will 2
	Dd1- 12-2= -2. Rea pdt==-1/08=-5
	pd = 1 = 2 = -2.
	Sum=1-2=-1. Sum=-1+5=4  Dann numbers -1 and 2
	Sum=1-2=-1. Sum=-1+5=4  Dalle husburg -1 and 2
	pd = 1 × -2 = -2.
	pd = 1 × -2 = -2.  Sum = 1 - 2 = -1  Sum = -1+5 = 4  pd = -1 × 2 = -2.  pd = -1 × 2 = -2.  pd = -1 × 2 = -2.
	pal= 1x-2=-2.
	pd = 1 × -2 = -2.
	pd = 1 × -2 = -2.
	pal= 1x-2=-2.
	pd = 1 × -2 = -2.
	pd = 1 × -2 = -2.

Ø Evaluate lum 21-5×16 n→2 21+21-6 limo nt-5n+6 = 22-5>2+6 9-32 22+8-6 22+2-6 4-10+6 = 0 = 0lim (n-2)(n-3) x-2. (x+3)(n-4) りか カー3 - 2-3 カーラ 2 カナ3 され = = -1 2-31 net-29-3 lm n2+2-2 = 12+1-2 = 1+1-2 20-31 22+221-3 1+2-3 = 2-3 = 0/0 = 01 lum (2+2)(2+3) = lum 2+3
->1 (2+3)(2+3) = 2+3 = 1+2 - 3/4