TO - 1/1	•		V/ n
Dyres primby:  2) time x+y-5		vsouce	nimby
spreak;		1	+9
1	y = h(x-2) + 3	7/ -/-	
1 mm X+m-5			
$(x_1,y) \Rightarrow (2,3)$			
		1	
1 2/x-7)+3-3	$L(x-2)$ - $\rho$ .	2	I love some
lim = lim	(1/1/2)	1+2	7 1010
$\lim_{x \to 2} \frac{f_2(x-2)+3-3}{x+2} = \lim_{x \to 2} \frac{f_2(x-2)+3-5}{x+2}$	X-2+2(x-2) X >	2	mas Mureyn
101			limita nelicelize
2) him y-3 - him x+2 x-2		1 1 1 1	
May = lyn	30	1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
X+7-5x72 X-2		1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1
<del>x-y</del> 2		1 1 1 1	
7		1 1 1	1 1 1 1 1 1 1
7 = 3		1 1 1 1	
		1 1 1 1	
3-3-3		1 1 1 1	1 1 1 1 1 1
lin 2-3 = lin 2-3 x=2 X+2-5 y+3 2-3 y+3		1 1 1 1 1 1 1 1	1 1 1 1 1 1
x=2 XT2 > x+3/		1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3-73		1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		F	
2 x 1/2		المرتبر ا	
3/ lim x2+x2		3	
$(x,y) \Rightarrow (0,0)$			
	27 (4) 21	Pr X	
2. (n. cos 2). (n. 2mm)	- line	-	sind=
lim 2 21 4 12 mill	1 +0 x2 (4052) sur 2)	1 1 1 1	
THE CONTRACTOR			
		X=n co.	2
Im Zim sim sim	,2d= sin2d	y - n. six	2
N70t A N70t			
	082	1 1 . 2 /	1 as 2 = 1
	nearly, nessons	Am	7 40 4 1 1 1
	MINN	2.400	Lain 2= sin 2d
1 SQUARE = ZPIC/en		- 500	

Parcialm derivace

4) $f(x,y) = x^2y + \frac{y^3}{x^4}$	P. E.G. MJED = X+03
parci. derivace 1 radu	
$\frac{\partial k}{\partial x} = 2xyy - 5y^3x^5$	
$\frac{\partial f}{\partial y} = \chi^2 + 3\chi^2 \chi^4$	
5) f(xy) = x > 0,	
	a x
	r en a
2b x ln x	
6 f(x,y) = arcly (x)	
J-lay)	anely (x) = 1+x2
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	$\frac{1}{2}$
$\frac{\partial \mathcal{C}}{\partial y} = \frac{1}{2 \cdot (1 \times 2 \cdot \times (-1 \sqrt{y^2}))} =$	72+x2 y2 y2+x2

1 SQUARE =

f(x,7,2) = x2. sin(2,5-2)	
	-
$0 \downarrow 2 \downarrow $	-
$\frac{d}{dt} = 2 \times sin(2 - 2)$	
$\frac{1}{2}$ $\frac{1}$	
2 Cos (2y-2) - 2 - 2	
$\frac{1}{\sqrt{1-x^2-co(2\gamma-2)\cdot(-hy)}} = \frac{1}{\sqrt{2}} \frac{2}{\sqrt{2}(2\gamma-2)}$	1 1
	1
Ja.	
	1
$(\sqrt{2} + \sqrt{2})$	- 1
$L(xy) = x-e^{-xy^2} \qquad w = \begin{pmatrix} \sqrt{2} & \sqrt{2} \\ 2 & 2 \end{pmatrix} w \begin{pmatrix} 0/4 \end{pmatrix}$	7 t
	1 1
11 gradiant Vf (xy) 21 smergre derivace	1 1
	1 E
2) smergre derivace	1 1 1 1
( xy <sup>2</sup> xy <sup>2</sup> 2 x)	1 1
1) 7/1 = ( ) k ) = (1 - e 2 y x /	
VA-(Y(g)) X () y	1 1
	3 d 1 d 5 b
2 / (0,0) - (1,0)	1 1
7 (2 1) -11 -2.1 -e2.4)	1 1
$\frac{1}{2}$ $\times y^2$	1 1
= X-e1-4y ++& -4yx	
27	1 1
	1 1

1 SQUARE =

$\frac{\partial f(0,0)}{\partial w} = \frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{ w ^{1-\sqrt{2}}} \frac{1}{2} \int_{-\infty}^{\sqrt{2}} \frac{1}{2}$	
	solut norma = 1 lake
7/ / / / normy	je look jinsh se
(0,0)	-3-1) 158 M. Male.
$\frac{\partial w}{\partial w} = \frac{\partial w}{\partial w} + $	- musi site in 12707:
	1 2m (00)= VL(00). m 2m
$dt = \frac{1}{3} \frac{1}{1} \frac{1}{1}$	2m
$\frac{\partial f_{-}(2,1)}{2m} = \frac{1}{3} \frac{1}{3$	
7/	
$\frac{\partial f}{\partial x}(0\rho) = (\nabla f(0\rho)) = m = (1,0).$	1/2 /2 /2 /2 /2
- (1,0)·	1212/-2
$\int_{0}^{2\pi} \int_{0}^{2\pi} \frac{(2,1)}{(2,1)} = (2,1) \int_{$	20 (52 52)
(21)= (21) mw= (1-e-	e 4 2 2
dw /	
$\frac{\sqrt{2}}{2} - \frac{\sqrt{2}}{2} e^2 + \left(-\frac{\sqrt{2}}{2} e^2 + 4\right) = \frac{\sqrt{2}}{2} \left(1 - e^2 - e^2 + 4\right)$	
2 - 2 - +1 - 2 - 4) - 2 (1-2-2 +)	
	04/1/2 = 4,2
$(2,1) = (3-2,42) \cdot (0,-1) = 0$	77748
$\frac{2}{2} \frac{2}{\sqrt{2}} \left( \frac{1}{2} \right) = \left( \frac{1}{2} - \frac{2}{\sqrt{2}} \right) \cdot \left( \frac{2}{\sqrt{2}} - \frac{1}{2} \right) = 0$	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	4 4 1 1 1 1 1 1 1 1

1 SQUARE = \_\_\_\_