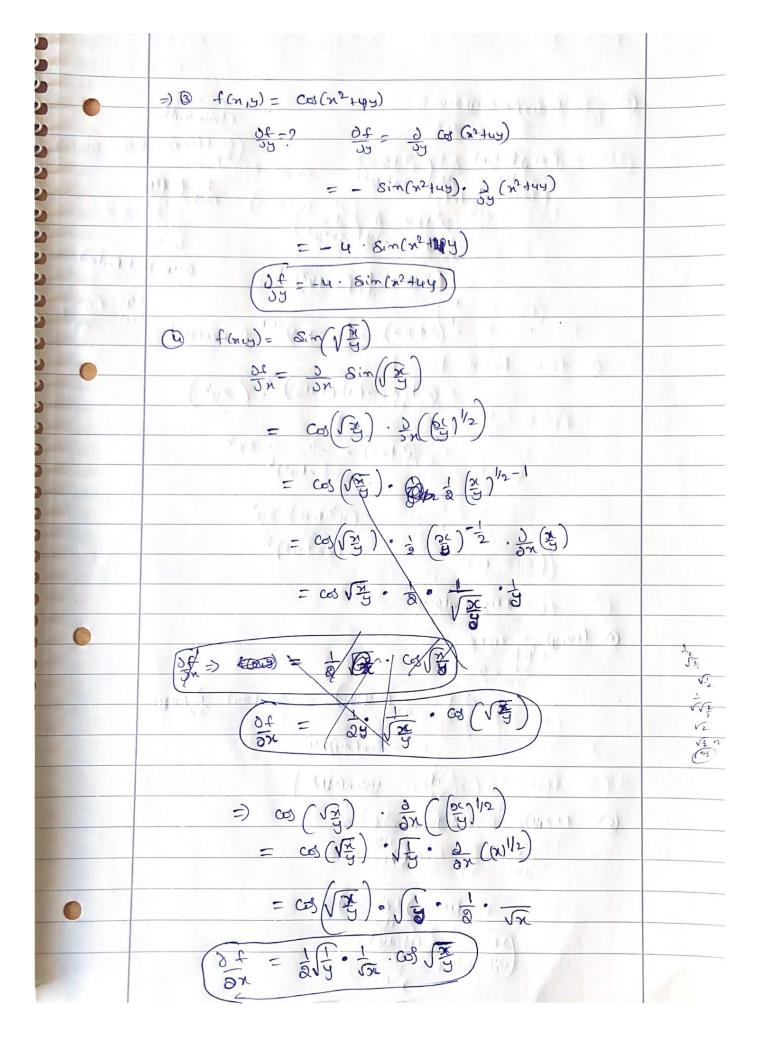
	Day 14 Siva Roddy Bodopoti 15-07-2021	
•	Polymoral Portial derivatives	
	30f (My) = 22+42 30f (My) = 22+42) 10constant to Colemans	
	= 8x + 0	
	9x	
	$\Rightarrow \textcircled{3} f(xy) = x^2 + y^2$	
	$\frac{98}{5t} = \frac{28}{5} (x_3 + 4a_1)$	
	= 0+89	
	5+ = 8y	
	=) (3 f(x,y)= \(\pi^2 y^2\)	T REAL
	$\frac{2a}{2t} = \frac{2a}{3} \left(y_x a_y \right)$	
	38 38	
0	= 2289	
	St = 2224	
	3 @ f (My) = 222	
	$\frac{\partial f(mi)}{\partial x} = \frac{\partial}{\partial x} \left(\frac{x^2}{y^2} \right)$	
	$=\frac{1}{9}\left(2\sqrt{2}\right)$	
	$=\frac{1}{102}.2x$	
	Ofay 8x On y2	
	The Same (18 ADIE)	

(3) =) f(20) = 2	HEX (MILEGIA)	There we	
	But y3	Chair sulle	
26 -	0 (x2+2x)	(on f (g(n) = f'	960) 96
99	34 (3x+ y3)	> 5600)	
	(x2+8x) 0 (1)	3 feres	gut
	2 (x2+8x) 2 (3x+y3)	(o.)	
	= (22+12x) 3 (3x+43)-	1) ausiser	
		H.	(m) = f'g-
	= (x2+2x). (-1) (3x+3)	-1-1 2 (3x+43) 90	9
The same of the same	1 / 34	1.8	
	= (n2+2x) · (-1) (3x+y3)	· (3y2)	
11-12-1	A VALUE OF THE STATE OF THE STA		
	$= (x^2 + 2x) \cdot -\frac{1}{8}$ 8x+y3	· 3y 2	
	(3nty3)) 2	
(,9),(), ($= - (5c^{2}+2x).$ $(3x+y)^{3}$	2	
The state of	(3x+43		
Thig	Cornetsey.		
@ (c.)			0
(f(x,y) = cg(w. y	241	
3t = ?			
- (30	$\frac{3x}{3x} = \frac{3x}{3x} \left(\cos(xy) \right) = -8$	my (27). (2 (28)	
	= - Sin(xy). y	100	
111111111111111111111111111111111111111	(of = - youndy)		
@ (_\)	Ox - Oz		
(x) f(x) = Si	J2 = 3		
22 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	og sin(neg)		
-	$\frac{\operatorname{Cod}(xy)}{\operatorname{Jy}} \frac{\Delta}{\operatorname{Jy}}(xy)$ $= \operatorname{JC}(\operatorname{Cod}(xy))$		
	20000		0
124	= oc ca(my)		



	-
Logarithmy	6
=) () +(x4)=71mx	
34 = 3(8 Qm x)	
22 23	
= 2 (y-lm'x) = lmx.1	
Of = bnx	
5 9	1 4 12/
(b) (my) = lm(m) - 2 (m(-y)	16 76
$\frac{\partial f}{\partial x} = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) - \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) - \frac{1}{2} \left(\frac{1}{2} \right) \right) \right)$	81
4 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	(6)
$= \frac{1}{2} - \ln(4).1$	
$\left(\begin{array}{c} \partial f \\ \partial x \end{array} = \begin{array}{c} 1 \\ \partial c \end{array} - 1 m (-y) \right)$	
ON OC	
(3) f(n(y)) = In(n)	
$\frac{\partial f}{\partial y} = \frac{\partial f(x)}{\partial y} = \frac{\partial f(x)}{\partial y} = \frac{\partial f(x)}{\partial y}$	
5y 5/9 / Jy y	
$\frac{\partial f}{\partial y} = 0 \ln(x) \frac{\partial}{\partial y} \left(y^{-1} \right)$	
00	
= ln(n) -1 y-2	(1)
Jf = - Anla) Jy y2	
(g) f(my) = y2 - lm (x2y+1)	
9t = 3y (y2-ln(x2yt1))	
$= 3y - \frac{3y}{2} en(x^2y+1)$	
$= 2y - \left(\frac{1}{x^2y+1}, \left(x^2\right)\right)$	
	(1)
$ \begin{array}{cccc} \partial f &= 2y - 3c^2 \\ \hline \partial y & x^2y+1 \end{array} $	
$\left(\begin{array}{cc} 3y & x^2y+1 \end{array} \right)$	