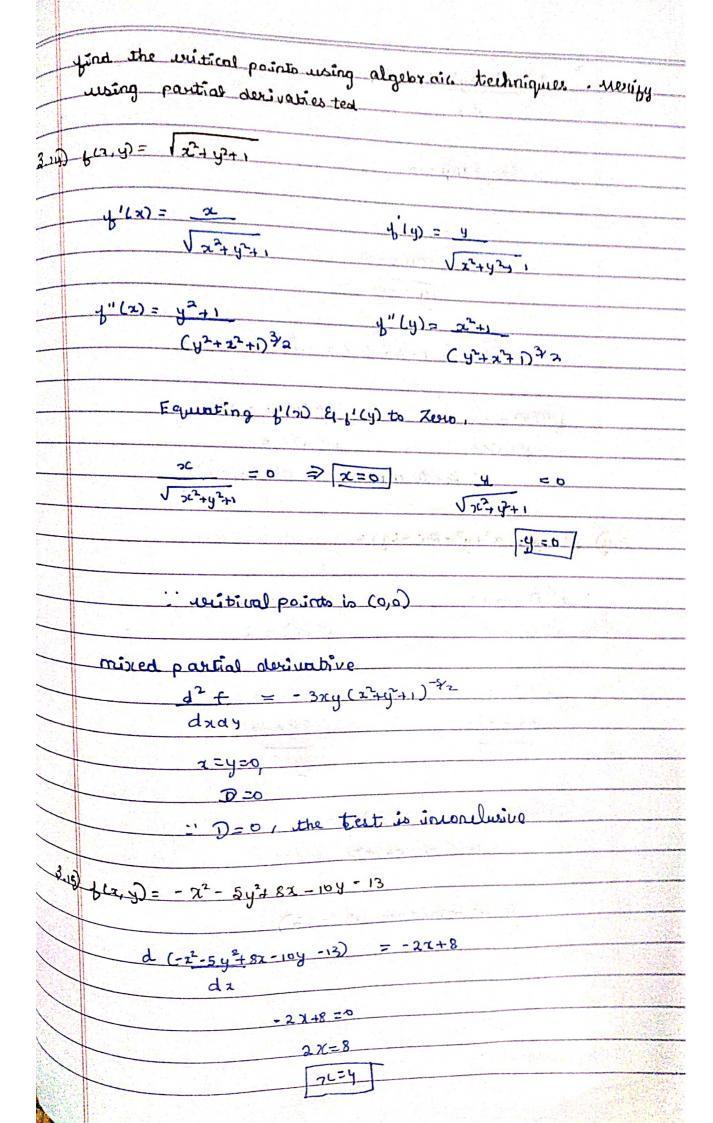
	17/4/2023 Assignment-E De Producentumon
	ch.co.uuaiezzeyz
	Find all the witical points:
	4(2, y) = 1 + 22+y2
	$\frac{d(1+z^2+y^2)}{dz} = \frac{d(1)}{dx} + \frac{d(y^2)}{dx} + \frac{d(y^2)}{dx}$
	$\Rightarrow 0 + 2x + 0$ $\Rightarrow 2x - 0$
	Equating 1 to Zeno
	$\begin{bmatrix} x=0 \end{bmatrix}$
	$\frac{d(1+2^{2}+y^{2})}{dy} = \frac{d(1)}{dy} + \frac{d(2^{2})}{dy} + \frac{d(y^{2})}{dy}$
-110	=> 0+0+24
	=> 2y=0 [y=0]
	·: wictical point are (0,0)
3.11)	$f(2,y) = (3x-2)^2 + (y-y)^2$
	$d \left[ (3x-2)^2 + (y-4)^2 \right] = R(3x-2) \times 3$
	= (62-1)3 $= (62-1)3$
	equating () to 'o'
	18x-12=0
	3

				71000
			од него финанскит — мат притегно в менерат во технов база ревода на страва на база до поставления во поставления во В материа поставления поставления во притегно в предоставления во притегно в притегно в притегно в притегно в В материа поставления в притегно	
	d [32-2)2+(y-4)	n, law op der de demonstration de description persones et autop set des cels includings course transmissed en per	mana statisma minasarvani ilai jala angilata muun ilaali ni kendi mengani mengani mengani ilai tambi	
	dy		majouture activour and carefullar confinence on the second activities control and activities and activities confinence and activities and activities activities activities and activities activities and activities activ	
	7 2 Ly-4			
	± 24-4(2)	40.25		
	⇒ 24-8		A Maria	primers regarder annies to continue and many annies and a primer stage deadlers.
	24 - 8 = 0		10 19 1	
	24= 8			
	4=4			
	( )	- £2 (1)		
	fritial point.	(3, 4)		
	4.4.4.2	4 - 632 1	Party of Contract	***
3.12)	f(z,y)= x4+ y4-16x	4		
	d (24+ y4 - 1624)	) Page	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	
	dz	44 Mh	3 2	
	€ 42 <sup>3</sup> -164	A 68 F 31		
	Equ	nting to zero		
	42 <sup>3</sup> -164 =0	Andrew Control of the		21
	423=164		emocrace where the strain operating the street ends of the family in the strain strain of the strain strains of the strain strain strain strains of the strain strains of the strain strain strain strains of the strain s	en er rece di senti (finanzi i den erdin sembangan gerekari estimat di
	x3=4	*		
			And the section of th	
	d. (24+y4-16xy)		restruction direction of the special materials of the sign demonstration of the special collection of the special state of the special	and the state of t
	dy	19.10	es platine estra estra de Centra de Lemando esta de Centra de La Centr	
	→ 4y³-16x	and the same of th		
	Equation	to Zego		
	443-162	5 b	The state of the s	
	14 y <sup>3</sup> =	16%	CO COM COM MANAGEMENT COMMENT OF PROMISED THE STORY OF TH	
	[y <sup>3</sup> =			
	10			
		and the same of th		
14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15				A STATE OF

	$x^3 = 44$ $y^3 = 4$
	$-\left(\frac{y^3}{4}\right)^3 = 4y$
	$(2)^3 = 4x$
	2.2
	$y^{9} = 28.y$ $y^{9} = 28.y$
	$\sqrt{ v }$
	y4 = 28
	<b>4</b>
	48 = 28
	[y=2]
	: the crictical point are (2,2)
3.13	b(x,y) = 15x3-3xy + 15y3
	$4\left(\frac{152^3-3xy+15y^3}{3}\right)=3\left(\frac{15}{3}\right)^2-3y$
	dz
	$1/5x^2 - 3y = 0$
	45x² = 3 y
	1522= 9
	The second secon
	d(15x3-3xy+15y3) = 45y2-376
	dy
	To an et Little and the
	45 y <sup>2</sup> -32 = 0
	$15y^2 < x$
	15 (15y2)2 = 4 18x1 = 2
	16 15 <sup>2</sup> 11 -11
	$\begin{array}{c c} 15^3 = 1 \\  \hline                                 $
	43
	$y^3 = \frac{1}{163}$
	y=1 the without point are (15/15)
Taking and Republican September 1999	$y = \frac{1}{15}$



	dy-x2-5y2+8x-10y-13)
	=> -10y-10
	-104-10=0
	10y =-10
	[g = -1]
	: witical point in (4,-1)
	y"(2) = -2 y"(y) = -10
	4, (x) x 0
	it is mari mum at (4, -1)
عام ي	$\int_{B}  x_{1}y ^{2} = x^{2} + y^{2} + 2x - 6y + 6$
	4'(x) = 2x+2 4(y) = 2y - 6
	y''(x) = 2 $y''(y) = 2$
	y'(2)=0 29-6=0
	27=-2
	$\begin{bmatrix} 2l = -1 \end{bmatrix}$ $\begin{bmatrix} 9 = 3 \end{bmatrix}$
	1"(x)>0 4"(y)>0
	: witival points is (-1,3)
	it is minimum at 6-1,3)
112	

