## UTS Kalkulus Semester 3

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Date:		
Date:		

3.	2°-3x° +6xy2 =0
	dy
	di
	$f(x,y,z) \cdot z^2 - 3x^2y + 6xyz$ , $f_x = ?$
	$f(x,y,z) = z^2 - 3x^2y + 6xyz$ , $f_2 = 7$
	13 (11 11 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1
	Fr = d (23 - 221 + 6x12)
	$f_x = \frac{d}{dx} \left( 2^3 - 3x^2y + 6xyz \right)$
	fx d (23-3yx2+6y2x)
	dx
	fy = d (23) + d (-3 ax2) + d (6422)
	$f_{x} = \frac{d(z^{3})}{dx} + \frac{d(-3yx^{2})}{dx} + \frac{d(6yzx)}{dx}$
	fx = 0 - 34 x2x + 642
	fx = -6xy +6 yz
	for d (23-3-24+6442)
	$f_2 = d \left( 2^3 - 3x^2y + 6xy^2 \right)$
	$f_2 = \frac{d(z^3)}{dz} + \frac{d(-3x^2y)}{dz} + \frac{d(6xyz)}{dz}$
	f2 = 3z2 + 0 + 6xy
	$f_2 = 3z^2 + 6xy$
	12 - 22 + 6×9
<del>-</del>	d2 6xy + 6y2 - 2xy - 2y2
	$\frac{dx}{dx} = \frac{2xy}{3z^2} + 6xy$ $\frac{dx}{dx} = \frac{2xy}{2xy} + 2xy$
<u> </u>	$\frac{dx}{dz} = \frac{3(z^2 + 2xy)}{2xy}$
	$dx   2^2 + 2xy$

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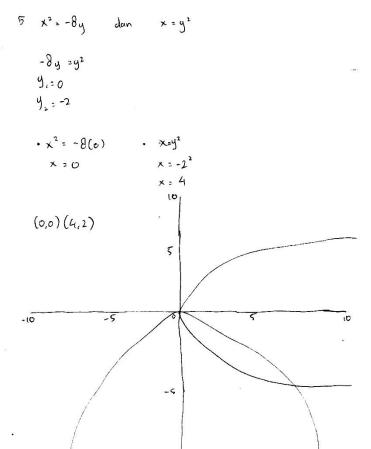
• 
$$\frac{dy}{dz}$$

•  $\frac{dy}{dz}$ 

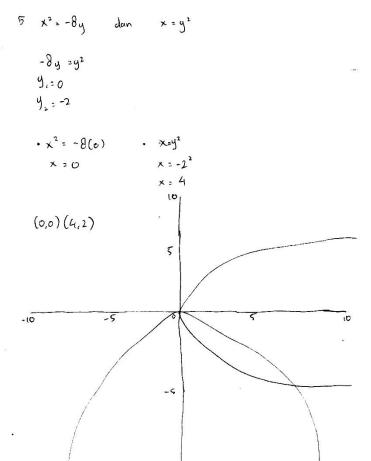
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4 x+y+2=120 x = 120-y-2 a = xy a = (120-y-2)(y)  $a = 120y-y^2-y^2$  a' = 0  $a' = 120y-y^2-y^2=0$  y(120y-y-2)=0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0 y = 0y = 0

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Nomor 6