Tugas 9	Aplikasi Turunan	No.
lugus 3		Date :
	Nama: Varian Avila Faldilog	#HH . " x / - 1 x 3 2 2 2
	NPM : 190810210055	0-1/ 73007 MZ HAT 0
	004	No X 2 2 2 2 2 X 2 X 2 X 2 X 2 X 2 X 2 X
	Y = X9-4x3	0 × 2 × × ×
	$Y' = 4x^3 - 12x^2$	0 = (4-x2) = 0
	· Titik Stasioner f'(x)=0	
	VI - 1/4 3 2	1- 12 of Hik polong
	$4x^3 - 12x^2 = 0$ $f(0) =$	
	$4x^{2}(x-3)=0$	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	x=0 , $x=3$	
		rom tyling - F = (2-1)
	X=0 1	dk tool perubolin + 0 = (0)}
	+ N=3, d	of (-) ke(f)
		iloi mia by dien nelonem -
	-monoton naik pd selving (3,00	
	-monoton turun pd selang (-00,3)	Solana tecceposana
	· Selang kecekungan f"(x)=0	· Grokk
	$\gamma' = 4x^3 - 12x^2$	1
	y"= 12x2-29x	0=22-4
	12x(x-2) = 0	C Since
	$\chi=0$ , $\chi=2$	2 3 4
	+ - +	-16
	0 2	-17
	ceking be atos pd (00,0) u(	2,00) Also Will.
	colone ke bounde of (0,2)	181 M S. 181 M S. 181
	. Titik belok	((V)) = 2-1/3 - (A)(B)
4	f(0) = 0	(Contraction of the contraction
	f(2) = -16	Vest & Red Con

3	-	×	0	4	
¥ 2	×4	X	100		

alania da ang Alvania di Caramanan na panamban na kanam				
2			Grafiky small	
	· Titik Stationer y	>0-7 X=0 270	MPM 1 LACSTORIO	
Constitution of the second	y = 4x - x3 x	=0 -7 Y=0	4	
Continue constitution of the continue to the c	$4x-x^3=0$		( 2	-
	x(4-x2)=0	na ng kilammedikalah na kilammaka ak supaka ka supaka maka maka magambaja ka supaka supaka supaka supaka supak	2 × 2 / - 1/2 /2 = 1	
	x=0 y x=12, x=-2	0=(=)'-	-2 -190 19 2	
	CX CFF COV	0 = (0)+	7 = 403-12 12 12 12 12 12 12 12 12 12 12 12 12 1	1
		f(3) = -2	4x3-12x' =0	
	-2 0 2	C	00 (2- e) "x?	
Constitution of the second	f(-2) = 4 → nilui max		X=0 , x=3	
	$f(0) = 0 \rightarrow nilai min$		s	
	f(2) = 4 -> nilai max	:214 2 - 35k - 1 - 25	+ = =	
	- monoton noik pd (00,-	2) ((0,2)	2 0	
	- Monoton turun pd (-210)	U(2,00)	by Flor refounds	The second secon
	· Selang Kecekungan	2.00-3 [25]	e by round notoneon-	
	$\gamma' = 4 \times - x^3$	0-1-3-7	Island Keeskingo	•
	$y'' = 4 - 3x^2$		x = 47 1-128+	The self of the company of the compa
	4-3-2=0	The control of the first form of the control of the	Pirixipally	
	-3x1 =-4		12 - 12 x (x-2	the second secon
	x=± \4/3	5	i = x v p=i6	
	- X -	en i Portitibio matieni glaschadura (Comba agrico) mateminica de Comba en Calvare (Comba y Los), septimos	7	and the second second
	-19/3 /9/3			
	. Titik belok	6000 H (0 00 ) 1		trois trimillar et i — t m for Tronsistring e my green.
	f(-19/s) = 2.9/s-(=)	20	हारीयाल्य प्रस्त (भेटन ।	the state of the s
property .	$f(\sqrt{3}) = 2 \cdot \frac{4}{3} - \binom{1}{4}$	10 1 - 10		kenteria serra iza unio necesaria neces
The second second	(4)	9/ 9	and the best of the first	*

			Date;	
3)	$\gamma = \frac{\chi^2 - 2\chi + 1}{\chi - 2}$	· trkik potong		Y
	· Titik Stationer	x=0→ Y=-2	· Asimbot VAT	
	$Y = \frac{(\chi - 1)^2}{\chi_{-2}}$	and and	-Asimtot tegak	
0	1-1 - 21x-11 1x-	2)- (x-1)2.1 x 11-	$\frac{x^2-2x+1}{(x-2)} = >$	Y-1=0
	$ \frac{1}{2} \frac{1}{x^2 - 4x + 3} = \frac{(x-3)^2}{(x-3)(x-1)} $	-1)-	V-10	The second secon
TO,	$\frac{(x-3)(x-1)^2}{(x-2)^2}$		* (T-1×1 = 0 7	and the same of th
		a X	- Asmfot miring	
	X=3 , X=1	,· <b>× ‡</b> 2	Y= ax+b	Addition
	7		Lim (X2-2x+1)	) = a
407	the following " +		10/10 0 0 10 18	Angelies and the control photological and an experience of the control of the government of the control of the
	1 2 3	(c,w.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t' = 1 = W
	$f(1) = 0 \rightarrow n$	ilai max (co o	1 by mont notoposis-	1
	$f(3) = 4 \rightarrow n$	ilai min	$\lim_{X\to\pm\infty} \frac{(x^{1}-2x)}{x-2}$	[-)-x = b
	- Monoton naik	pd (00,1) U(3,00)	( m / m )	
	- monoton turun p	d (1,2) U(2,3)	X-100 X2-1xr	$-\frac{x^{2}-2x}{x-2}$
	· Selang kecekung	an	L:m \	
	$y' = \frac{x^2 - 4x + 1}{(x - 2)^2}$	-2)2-(x2-21x+3)2(x-2	X-7±00 X-2 =	
	y" = (2x-4)(x	$-2)^{9} - (x^{-2})^{4}$	27.1 Armtot	nining = Y=12+c
	$0 = \frac{2(x-2)}{(x-2)^4}$	(1,2)		Y= 7/1
	$O = (\frac{2}{x-2})^3$	4	4.	
	x 2 2		· Grafik	York
			har below	/
	- +	, and a	0 = 1-10	
	2	,	18	· 3
	· hik belok		V N	
	§(2) = 4-4 2-2	= = 00		and a management of the Communication of the Engineering States of the Communication of the C
	The state of the s			( factoring)

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		No	
		Date:	
4	$y = \frac{2x^2}{x^2-1}$	3717.	2 Y= 2
	. Table obstance	- Asimtot	
	$4 \times (x^{2}-1) - 2 \times (2 \times)$	- fegak	
	$\frac{1}{4} = \frac{1}{4} \left( \frac{1}{4} \times \frac{1}{4} - \frac{1}{4} \times \frac{1}{4} - \frac{1}{4} \times \frac{1}{4} \right) = \frac{1}{4} \times \frac{1}{4} = \frac{1}{4} = \frac{1}{4} \times \frac{1}{4} = \frac{1}{4} = \frac{1}{4} = \frac{1}{4} = \frac{1}{4} = \frac{1}{4} = $	5(1-x)-(5-2) Y=x2-x2 \$15-x1	x2-120
	$C = \frac{-4x}{(x^2-1)^2}$		7221
	white x = frog A, x +1, x +-1	(1-2)(2-x)	x=11
	+ d + 0 = e -	= +x . V=x - Datasx	Asim to the fegal
		$\gamma = \frac{2 \times 1}{\times^{2} - 1}$	
	$f(0) = 0 \rightarrow niloi max$		Jular= 1 = 20
(A) = 1	-monoton nonk pd (-00,0)	8.3.7	201011 70
	-wounted from 69 (0'00)	x-om islin - 0 = (1)4	
0) =	· Selang kecekungan		-
	$Y' = \frac{-4x}{(x^2-1)^2}$	i, ea) to dive and are me.	•
	$y''' = -\alpha(x^2-1)^2$ = $(-4x^2-1)^2$	)(2(x-1).2x)	
		man Grafite	
	$y'' = \frac{12 \times 4 - 8 \times^2 - 9}{(x^2 - 1)^4} = 0$	Et XI-1X Y	
1(1=) ¢	Ninin formit & =1 1. (Con 1. (	"x) = (x-x)(x-1/x5)   "y	
(1 = 1)		Property (No. 1)	
	† - +	F/\$ 0 = 0	
( V )	Ad Stored	12.17 = 0	
The state of the s	htrk belok	5 - 15	
•	$f(-1) = \frac{2(-1)^{1}}{(-1)^{1}-1} = 00$ $f(1) = \frac{2(1)^{1}-1}{1^{2}-1} = 00$		
	$f(1) = \frac{2(1)!}{12-1} = \infty$		
	1 1 1 1 1 1	State I day	
		Holed Holes	
	TWIN.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	