	Proyek Pembangunan geaung Perkujahan Aafat disetesaitan dalam wakux hari dengan menghabiskum biaya Provek (2x-100) 3000) Tabs ribu rupiah. Biaya minimum proyek pembangunan sadum do
	raker x hari Zengan menghabiskan biaya Provek (2x-100+300) raker x hari Zengan minimum Provek pembangungu galam bersalah
	adalah?
	contain:
	Tobel biana
	1+ B(x): x.(2x-100+3000)
	$B(x) = 2x^2 - \frac{100x}{100} + 3000$
	Biona aken minimum seet B'(x)=0
	1 B'(X) = 9X -100
	0 = 9x - 100
	9x=100
	K= 25
	Sydi, biana minimumnya adulah
	B(25) = 2 (25)2 - 100(25) + 3000
	= 1250 - 2500 + 300
	= 1750 ratus ribu rupiah
	= BP. 175.000.000
	715 (1.5.000.000
2	F(x,y)=7x3y4-5x6y2 maka 2F(x,y)
	29
	Janap
	$F(x,y) = 7x^3y^4 - 5x^6y^2$
	Turunkan barnadap y(x dianggap konstanta)
	2F(x,y) = 4.7x34-1 - 7.5x y3-1
	dy : 28 x3 y2 - 35 x 4
3	5 7x3 5x3 - 7x9+ e - x5 1x + 1000 dx
	15 7x3 -5x3) 5 -7x4+ ex - x> 3x + 1000 dx
=	Jawas
	= 5(1/5x5-4x4+e2x - x5.x2 +1000) dx
=	X ⁶
=	: [= x - 7 x + e x - x = + 1000) 4 p
	= 1 - x3 - 4 . 2x S

	= \frac{1}{5} \cdot \frac{1}{5} \times \frac{1}{4} \times \frac{7}{4} \times \frac{41}{1} + \frac{1}{2} e^{2x} - \frac{1}{5} \times \frac{5}{1} \times \frac{5}{1} + 1000 \times + C
	= = = = = = = = = = = = = = = = = = =
	= \frac{1}{5} \times 1 - \frac{7}{5} \times 5 + \frac{1}{2} e^{2x} - \frac{2}{7} \times \frac{x}{2} + 1000 x + C
	-30 5 2
	4. 52 5x2+ 2x+ 11dx
4	Jawab 72
	$= \frac{5}{3} \times \frac{3}{2} + \frac{1}{1} \times \frac{2}{1} + 11 \times \frac{3}{2}$
	= 5003 + 1002+11×30
	= = [2] + 1[2] - 0
	= 90 + 9 + 22
	- 40 + 1 + 22
	= 40+3+66
	3
	= 109
	3
5	S sin ax + 2 cos 3x - csc x dx
	Jawas
	= 5 sinax dx + 2cos 3 x + - csc2 x dx
	=- \frac{1}{4} cosax+ 6 sin \frac{1}{3} x + cot x
	= - \(\frac{1}{4} \cos \alpha \times \\ \frac{1}{4} \cos \\ 1
6	(8 4×
	sin2x
	= 4) CSC 0 do = 9(062xTC
	1 axx - [8 csc2 v Z dv =
	2 & = \$4 CSC 20 du = - 4 COt U + C
	1

	The status soder on a	1
7	Teubosan dengan teknik substitusi sederhana	
	[2x5(x4-9) dx	
	(~x (x -9) xx = (2x (x -9) er	
	U=x6-9 = 25x5(x6-9)12 dx	
	0=x6-9 = 25x5(x6-9)12 dx 80:5x5 dx = 25 dv (4)12	
	x du= dx 5	1
	$= \frac{2}{5} \left(\frac{1}{13} \right)^{1/3} + C$	
	5 (13	
	= 21,6 9113+5	
	$=\frac{2}{65}(x^6-9)^{13}+c$	
8		
-	Tentukyn Lengan techik persigi	
	James (James) James (James)	
-	JEMAP	
	U=7x dv=5in7x	
-	60=7 V=- 1/2 cos 7x	
-		
-	UN-24 90	MIN I
	=7xsin7x-5-3cos7x.x	
	= 7x5in7x-(-1/2 sin 7x)+c	
-	=7xsin7x+ 1 sin7x tc	
-		
-	= * Sin 7x(2x+=)+C	
9		
	Tentukan dengan beknik substitusi TI	
	SIII W COS W 9X	
	Ja Wale	•
-	misql = 5 sin'x. sinx cos2x dx	
	-) (Sin'x) Sinx cocex Ar	
	11 X GN : 1 (1-Cos3X) Sin x ccc2 - 1.	
	=) (1-3 cos x + cos x) sinua 3 4 1 m	
	$= \int (1-3\cos^3 x + \cos^2 x) \sin x \cos^2 x dx$ $= \int (1-3\cos^3 x + \cos^2 x) \cos^2 x \sin x dx$	
	TIARA SHAKTI MAKMUR	

$$= \int (U^{2} - 2U^{4} + U^{6}) \sin x = 1 du$$

$$= -\int (U^{2} - 2U^{4} + U^{6}) dU$$

$$= -\left[\frac{1}{3}U^{3} - \frac{2}{5}U^{5} + \frac{1}{7}U^{7}\right] + C$$

$$= -\frac{1}{3}\cos^{3}x - \frac{2}{5}\cos^{5}x + \frac{1}{7}\cos^{5}x + C$$