	Date			
	Mame : Pramos Pay Laprean			
	NPM > 1406 10210059			
	slide: 10			
	y' = (1+x)(1+y2)			
	$\frac{\partial y}{\partial y} = (1+x)(1+y^2)$ $arctan(y) = x+x^2+e$			
	dr 2			
	$\frac{dy}{dx} = (1+x) dx$ $y = \tan \left(\frac{x + x^2}{x^2} + e^{-x^2} \right)$			
	1442			
	[dy - ((1+x) dx			
	$\int \frac{dy}{1+y^2} = \int (1+x) dx$			
2.	9' Bin 2x = 4 Cog 2x			
	y' tan 2x = 4			
	$\frac{dy}{dx} + \frac{dy}{dx} = \frac{y}{\ln y } = \ln \left \frac{\sin(2y)}{x} \right + c$			
	dy dx			
	dx tan 2x			
	(dy _ (dx			
	Jy Janex			
3.	y' = ag => by = 49 = D by = 49 1 => 9-3 dy = dx			
	x(9-3) de $x(y-3)$ de $y(-3)$ e Ag re			
	(9-3 dy = (dx			
	Jaag Jx			
	1 (9-3 dy = (n/x) +C			
	4) 7			
	$\frac{1}{1} \left(\frac{1-3}{3} \right) = \ln x + \epsilon$			
	4 J Y			
	$\frac{1}{a}\left(\int \frac{dy}{y} - \int \frac{3}{y} \frac{dy}{y}\right) = \ln x + c$			
	1 (y-3hlyl) = In [re] + Intc]			
	A All Me had a district the second of the se			
	9-3 ln /4 = 4 ln /14 + ln /c/			
	y = m /x2/ + ln/y3/ + ln/c/			
	= n x9 y3 c			
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$(4.)$ $\chi^{3} dx + (4+1)^{2} dy = 0$	The second secon
$\frac{(4.)}{x^{3}} \frac{dx}{dx} + (y+1)^{2} \frac{dy}{dy} = 0$ $x^{3} \frac{dx}{dx} = -(y+1)^{3} \frac{dy}{dy}$	
(1) (1) (1) (1)	
$\frac{\chi^4}{\chi^4} = -\left(\frac{y^3}{y^3} + \frac{y^2}{y^2} + y + C\right)$	
$\frac{1}{4}$	
$\frac{\chi^{q}}{\chi^{q}} + c = -y^{3} - y^{2} - y$	
4 3	
$x^{9} + c = y(-\frac{y^{2}}{3} - y - 1)$	7
4	
$\frac{\chi^4+c}{\sqrt{a^2+c^2}}$	
4(-3-7-1)	1)
S. 4' - (110x)/2 2)	Yes & Comment
$\frac{dy}{dt} = \frac{(1+2y)(1+x^2+2x^3)}{(1+x^2+2x^3)}$	No. of the second
gy = (1+29)(1+ x +2x -1	
dy = (1+x2+2x3) dx	
dx	3 h
(1+x2+2x3) de	
1+24	
1 ln (1+24) = x + x3 + x4 + C	and the second
3 2	
In 11+24 = 2x+2 x3 x4 +c	,
y = e 2x+ = 2x5 + x4 + c	(see
2)+)+
6 - y' = AVITY COS >X , y (M) = -1	
9 = AVIEY COS >X , Y (n) = -1	h h
dx dx AVITY COS 2x A VITY	
dy = AVILY COG 2x / VILY	
2 2 2	
dy = dx cos 2x	
$\frac{1+y}{2} = \left(\frac{x_0(2x) + c}{2}\right)^2$	
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		Date		
	4 = 51 n 2 (2x) + 2 51 n 2x + c2 -1			
	-1 = 1 +2(+ c2 -1			
	0 = (+2c+1			
	y = 4n2(2x) -2sth 2x = 5k			
	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
7.	exy1 = 2(x+3) y3, y(0) = 1/a			
	ex dy = 2 (x+3) y3			
	die			
	dy = 2(x+3) dx			
	y³ en			
	$\int \frac{dy}{y^5} = Z \qquad \int \frac{(x+3)}{e^x} dx = D - 1$	22 - 3 + ()		
) y 5) e x 2y2	(er ex		
	2-1 2-X -4 FC			
	4y² ex ex			
	1 = 4x + 16 - 9c			
	y² e* e*			
		1 = 1 y= \(-e^x = 0 \) \(\text{2} \)		
	$\sqrt{\frac{AX}{e^{2}}} + \frac{16}{e^{2}} - AC$	6-ac 9 Vaxele		
		1 = 1		
		-ac 9		
	+ / ex = y => Su	16 = 16-90		
	√ 41x+16-4cex	(=0		
8,	(1+e2) dy + e2y =0			
	de .			
	(1+ex) dy = -exy			
	dr			
	dy = -ex dr			
	y 1+en			
	$\int dy = \int -e^{x} dn$	y= c = 00 SV		
	Jy J Hex	1 tex		
	lnlylz - (du	1 = C (22		
	J v	1+1		
	In 19 = - ln 1+ex + In 1cl	y = 2 = b sk		
	In y = In c	Itex		
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