	No. :
	Date:
Nama: Pramos Ray Lapton	107 - 313 6 1 P . H
MPM ; 190810210059 -A	1 < 1/4) 0
Slide:23	
$1. \chi^2 \mu^2 = c^2$	
y², c²-x²	
y= \(\frac{c^2 - \chi^2}{2}\)	2201 28.9 =
9'. 1 2x - x	n
2(c2-x2)1/2 (y2)1/2) Y ,
	3
100 100 4 32 13 27	2 , 3 = 1
4 x	75 7
	-3-1 3 I
de 2	6,2
[dy = (dx =p n y = n	x tc
	el +In lel
" " xc	
2. \\ \chi^2 - \(\frac{1}{2} = C^4 \)	
9 = x2-C	
$y = \sqrt{\chi^2 - c^2}$	·
9'- x /- x - x	
(x2-12)1/2 (y2)1/2 y	
O -1 4	
y' x	*
0 2y = - 4 = 0 64 = 1 - dx	
dx x y x	
= - ln/2/ + (n/c)	
y= c => TO	
x = 10	

No. : Date: y=(x => c= 9/x Sydy = 5 -x dr xy = e dy = x => Jydy = Jxdx 1/2 y2 = 1/2 x2 Le y= t√x2+c =17 TO y= Vxre 70: -1 = -24

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	by 24	and the same
	du	
	(dy = (dx	
	JdR	
	1/2 ln 191 = X+C	k ish
	1, 141 1/2 = -x-c	1 (86) (1)
	y = (e -x Hc)2 = -2x Hc => CU	where leads to le
	4	fy - Fo
	Gx2 Fy2 = C	
	y=J1-4+	
	y' = 1 - an = -axax	= -ax 2 - au
	2 Jeans Jan Jan H)2-4×2 /y2 y
	10: <u>1 = y</u>	
	y' Ax	3 - 1 × .
	dry = y	3 = E/4
	doc was	New 1-3-10
	(dy = (dx	W
	Jy Jan	N
	n y = \frac{1}{4} n x + C	
	= \(\langle \	. Co V
	. 1/9 \	·
	$= \left(x \right) \left(x \right) = \left(x \right)^{14}$	
7.	y= (e = = 0.4 e = c	
	$y' = -2c = -2(ye^{2x}) = -2y$	
	$e^{2\kappa}$ $e^{2\kappa}$	
	10: -1 .1	44.800
	Y1 24	23.1
		1 2 3

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dx 24	N. Hard Man Co.
Szydy = Jdx	9:3:= 40
y² = xte	- (2)(1) 10 - 1 / 2 - 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
y = t Vxre	
	10 - 1 - 21 - 21 - 21 - 21 - 21 - 21 - 2
(8,) y=(x3	10 40 01 4 J. Only 1 1 1 1 1 0
y'= 3cn2 = 4/4/2	2
- 3 / x	= 3 4 DE MA 1/4 0
-17	X DE ALL TO LONG
41 34	$\phi = s_0$
dy	F12 : 31 F
	a. Langer in it is the
	A CHARLES TO A MARCHAN IN THE
3y2 = J-x dx	
	a py - hu - yy a a
4 5 t J-x2+c	30 (- M/- M/- 3)
9 > 4 \ - 2 = 2	Reserve and a second
Slide: 35	St. St. 87 2, 9
7) (3)) =0	The state of the s
PK = 1/2 + C/2 + 9 =0	-1 an i an i an i an
(R+4) (R+1)	5/ - 3/ 5 P (= PS
This-4, The :-	
Su: y = C1 e-ax + C2	e'x
	₹
By"-24' +4 =0	**************************************
PK: 12 +2RH =0	
(R-1)(R-1)	, D = / 2 , D = / 3 - 1 2 2 3 1 2 3
Th = 1 Th2=1	-b y, = ex y, = xex
Su: y= aex + cere	

Date: C y" twy +64 20 PE = R +2R +5 =0 R = -1 + 21		No),	
$PE = R^{2} + 2R + 5 = 0$ $R_{1} = -2 \int A - A(1)(c) \cdot -2 \int A - 20 \cdot -2 \int A + 1 \cdot 1 \cdot 2i$ $R_{1} = -1 + 2i \cdot R - 1 - 2i \cdot P \cdot P_{1} \cdot e^{-2i} \cdot cos2x \cdot P_{2} \cdot e^{-2i} \cdot sin2x$ $Y_{2} e^{-2i} \cdot (c_{1} \cdot cos2x + c_{2} \cdot sin2x) \Rightarrow SU$ $PV = R^{2} + 4 \cdot 20$ $PV = R^{2} + 4 \cdot 20$ $PV = R^{2} + 4 \cdot 20$ $P^{2} = -4$ $P^{2} = -4 \cdot (c_{1} \cdot sin2x) \Rightarrow SU$ $P^{2} $		Da	ite:	And the second in the second second second second
$ \frac{1}{1} = \frac{1}{2} + \sqrt{4 - 4(1)(6)} = \frac{1}{2} + \sqrt{4 - 20} = \frac{1}{2} + \sqrt{1} $ $ \frac{1}{1} = \frac{1}{2} + 2i $		y" tzy + 64 20	Action to the second se	Accessed for the action of the second desired to the second desire
$R_{1} = -2 + \sqrt{4 - 4(1)(6)} = -2 + \sqrt{4 - 20} = -2 + 4\sqrt{7}$ $R_{1} = -1 + 2i $		PE= 12+212+5=0	12.5	and the second s
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			-2 ± AVT	The state of the s
$y_{2}e^{x}\left(c, (os2x+c2sin2x)\right) \Rightarrow su$ $y_{1} + ay = 0$ $y_{2} + ay = 0$ $y_{2} = 1 + a = 0$ $y_{2} = -4$ $y_{3} = -4$ $y_{4} = -4x + (2 + 3in2x) \Rightarrow su$ $y_{5} = (1 + 6x) + (2 + 3in2x) \Rightarrow su$ $y_{6} = 4x + (2 + 3in2x) \Rightarrow su$ $y_{1} = 3x + (3e^{-4}(e^{-1}) - 3) = 4x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{1} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{1} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{1} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{1} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{1} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{2} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{2} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{3} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{4} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{5} = 3x + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{7} = 3x + (3e^{-4}) + (3e^{-4}) + (3e^{-4}) \Rightarrow su$ $y_{7} = 3x + (3e^{-4}) + (3e^$				
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		42 ex (c, (ocxx + c, cin 2x) =) (u	1.72.	XIIIZN
$PK = \pi^{2} + 9 \times 0$ $T^{2} = -4$ $T_{12} = \pm 2\sqrt{-1}$ $T_{1} = 2i T_{2} \times -2i \Rightarrow y_{1} = (052 \times 1, y_{2} - 5in 2n)$ $Y = (1 (052 \times 1 + (2 \cdot 5in 2n)) \Rightarrow 50$ $Pk = 4\pi^{2} - 4\pi - 3 \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} - 4\pi^{2} - 4\pi^{2} \Rightarrow 0$ $Rk = 4\pi^{2} $			/ V / = V	
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		72 = - 9	7 /-	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		P12 = + 2J-1	0,5	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		Ty = 2i R22-2i + 7 1 = COSZX	y, = 8in 2m	
2 A $4y'' - 4y' - 3y = 20$ $Y''' + 4y'' - 4y' - 3y = 20$ $Y''' + 4y'' - 4y - 3y = 20$ $Y''' + 4y'' - 4y - 3y = 20$ $Y'''' + 4y - 3y = 20$ $Y''' + 4y - 4y - 3y = 20$ $Y''' + 4y - 4y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y''' + 4y - 2y - 2y = 20$ $Y'' + 2y - 2y - 2y = 20$ $Y'' + 2y - 2y - 2y = 20$ $Y'' + 2y - 2y - 2y = 20$ $Y'' + 2y - 2y - 2y = 20$ $Y'' + 2y - 2y - 2y = 20$ $Y'' + 2y - 2y - 2y = 20$ $Y'' + 2y = 20$			P8 16	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			7 _ +6 = 1	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	A	44"-44'-34 20	. Y	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			S - C	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		712 = at /16-9(4)(-8) - at /16 rab	= 4 - 8	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			_	
$y' = \frac{3}{2} c_{1}e^{3W_{2}} - \frac{1}{2} c_{2}e^{-W_{2}}$ $2y = 3c_{1}e^{-C_{1}e^{-W_{2}}}$ $-e = 3c_{1}e^{-C_{1}e^{-C_{2}e^{-W_{2}}}}$ $e^{3}(-e + c_{1}e^{-C_{1}e^{-W_{2}}}) = c_{1}$ $c_{1} = -e^{4} + c_{1}e^{4}$ 3		R,= 12/8 = 3/2 R = -1/2 -> y,= e	12h /2=e	<u>.</u>
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			D-1 - 25 - 1 - 1	<u> </u>
$\frac{e^{3}(-e+c_{2}e) = c_{1}}{3}$ $C_{1} = -e^{4} + c_{2}e^{4}$ 3		y'= 2 cre 3/2 - 2 cre 2	2-1 M - 49	
$\frac{e^{3}(-e+c_{2}e) = c_{1}}{3}$ $C_{1} = -e^{4} + c_{2}e^{4}$ 3		24= 34 e 12 - C2e - 72	B1.17)	
3 , 8= 14454 1 = 48		-e = 3 Cie - Cie	T. J. J.	
3 , 8= 14454 1 = 48		e, (-6+(56) = C'	12-6 : 02	
3 , 8= 14454 1 = 48		3		
$\frac{9}{2} = e^{34/2} \left(\frac{-e^{\alpha} + (2e^{\alpha})}{5} + (2e^{\alpha}) + (2e^{\alpha}) + (2e^{\alpha}) + (2e^{\alpha}) \right)$		C1 = -e9 + (28'	14 165 "C" E	
9= e" (-e"+ (2e") + (2e" => SK		3W. (A - X/-	434 J : 48	
		9= e 12 -e"+ (2e" + (2e" = >)	sk - 1	
		SV = \$ 31.0 d 1- 1	1-11	

	No). ;
	Da	ate:
- B	y"-Ly' +24 > 0	
0	Pk: 12 -27 +2 20	
0	P12: 2± Ja-a(1)(2): 2± J-4	2+21 1+1
0	2 2	2
	R, > 1+i, R= 1-i -> y, > ex cos	1/2 > e x Sinze
	y = ex (a cos u + (2 stnx) => SI)	
	y'= (ex cosu - ex sinx)e, + (ex sinx	× (09x) (2
	0 = (et/2 0 - et/2) (x + (et/2 11 + et/2	0) (2
	0 = (e R/2 0 - e R/2 1) (x + (e R/2 11 + e R/2 = -e R/2 C11 + e R/2 (2	
	-eR/2 (2 = -eR/2 C1	
	(z = C1	
	y: ex ((2 Cos x + (2 Sin x)	
	zer (z (cosx+sinx) = DSK	