M dx + Nd1 = 0

2.4 Determinar	Ec exactas	$\frac{\partial \lambda}{\partial W} = \frac{\partial x}{\partial N}$
		$\langle x^2 y^2 - x sen y \rangle dy = 0$
2M = 18	$xy - sen y = \frac{2}{3}$	$\frac{N}{X} = \frac{4 \times xy^2}{5 e n y}$
	1 1 1 2 1 1 1	K = 2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
4) Determinas		
$(x - y^3 + y^2 senx) \int x$		
pe elige integras	MÓN	-zysenx) = -3yz+zysenx Cumple
$F(x,y) = \int_{-\infty}^{\infty} x - y^3 +$	$-y^{2}sen \times dX = \frac{X^{2}}{2}$	$-1^3x -y^2\cos(x) + 9(y)$
$f_y = -3/9^2$	x -2 yeosx +	$9!(y) = N(x, y) = 3 \times y^2 - 29 \cos(x)$
[9'	$(y) = 0 \qquad (9(9))$	=C]
x² - y³ K	- Y2cos(x) + C	= 0
1 1 1 2	xy3 -y2cos(x) = C	
[2		

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14) Resolves s: la ED es e	exacta
(1-3,+x) \$ +y = 3,-1	
	Lituas a sur forma estandar
	2350000
(1-3;+x) dy (+y-3+1) dx=0	
54.00 (77 = 17)0.	
$\frac{\partial M}{\partial y} = \frac{\partial N}{\partial x} = y + 0 + 0 = 0$	+1 => 1=1 comple
24 2x	
	50
$(xy) = \int M(xy) dx = \int \sqrt{-\frac{3}{x}} + 1 dx = \int$	9x ->101x1+x+9(4)
35(x,y) - X-0+0+9'(y)	
35000000000000000000000000000000000000	(x, y) => // + 9(y) = -1 - 3/4 x
	9'(4)=1-2;
	7
	$9(9) = \int_{-3}^{4} - \frac{3}{2} dy$
	) a(u) /   x   a   m)
	$(9(y) = y + 3 \ln  y $
teen Plazando en f(x,y):	
x+y+2xy -3 10 1xyl =C	

$$\frac{2}{3} \frac{y}{y^{2}} = \frac{1}{2} \frac{y}{y^{3}} = 0$$

$$\frac{3}{3} \frac{y}{y^{2}} = \frac{1}{2} \frac{y}{y^{3}} = 0$$

$$\frac{3}{3} \frac{y}{y^{2}} = \frac{1}{2} \frac{y}{y^{3}} = 0$$

$$\frac{3}{2} \frac{y}{y^{3}} \frac{y}{y} = 0$$

$$\frac{3}{2} \frac{y}{y} = 0$$

$$\frac{3}{2} \frac{y}{y} = 0$$

$$\frac{3}{2}$$

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27 Reterminar	K   Sea \$(x,y) and E) exacto
1/03/14	$-2x)dX + (3xy^2 + 20x^2y^3)dy = 0$
(3 + X x y	-2x) 0x + (3 x 9+ + 20 x 9 70) 20
21 -2N	3 12 11 2 11 3 0
ay - ax	$3y^2 + 4Kxy^3 - 0 = 3y^2 - 40xy^3$
1 1 1 1 1 1	
	4 Kxx = -40xx
	[K-10]
	$\left[K=-10\right]$
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
(x3+43) dx+3.	$xy^2dy=0$
3 42 = 3 42	
77 239	CAMPLE
f(x,y) = \3x42	$dy = \times y^3 + 9(x)$
<b>5 3</b>	
7x = 3, + 8, (	$(x) = x^3 + y^3$
	$9'(x) = x^3 = 9(x) = \frac{x^4}{1} + 0$
	Tu Tu
1 1 1 1	
	$xy^3 + x^4 = c$
	1 2 5 5
1 1 4 1 1	
t 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>

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