

$$\begin{array}{c}
O(x_1, y) = S_{22}^{2} + 4xy + f(y) \\
Subday
\end{aligned}$$

$$\begin{array}{c}
O(x_1, y) = S_{22}^{2} + 4xy + f(y) = 4x + 8y^{3} \\
A_{x_1} f(y) = 4x + 8y^{3}
\end{aligned}$$

$$\begin{array}{c}
I(y) = 8y^{3}
\end{aligned}$$

$$\begin{array}{c}
Integ(cno) \\
f(y) = 2y^{4}
\end{aligned}$$

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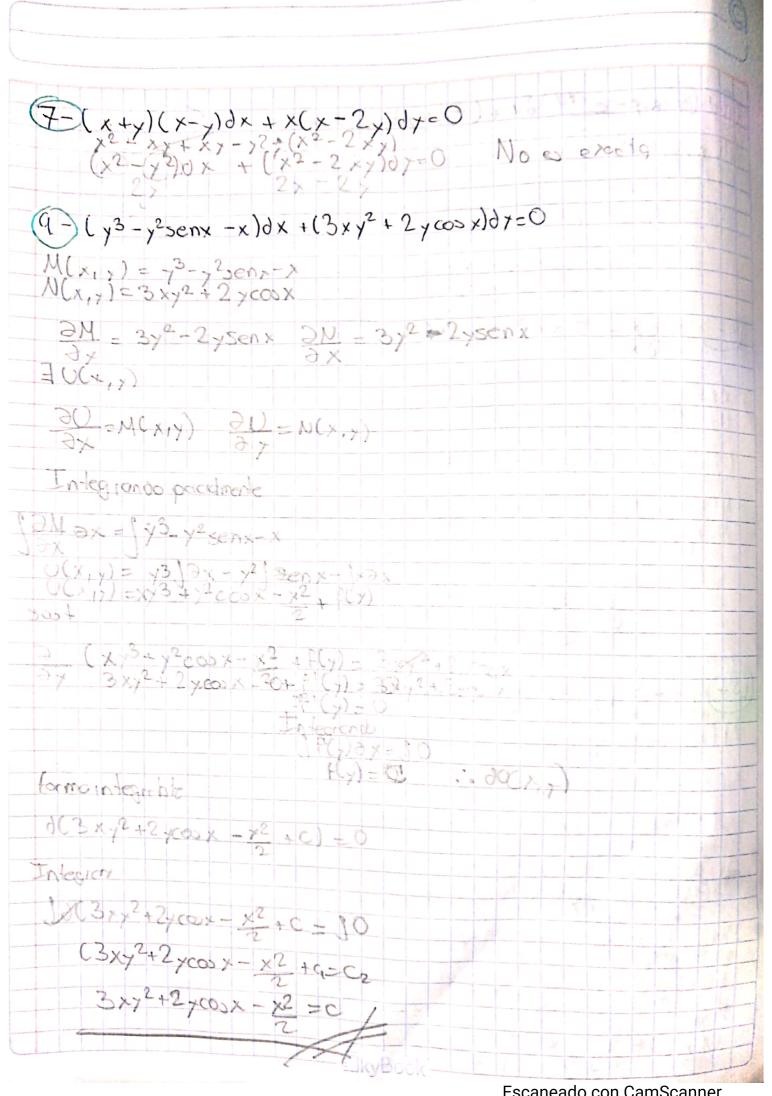
$$\begin{array}{c}
Integ(cno) \\
Integ(cno)
\end{aligned}$$

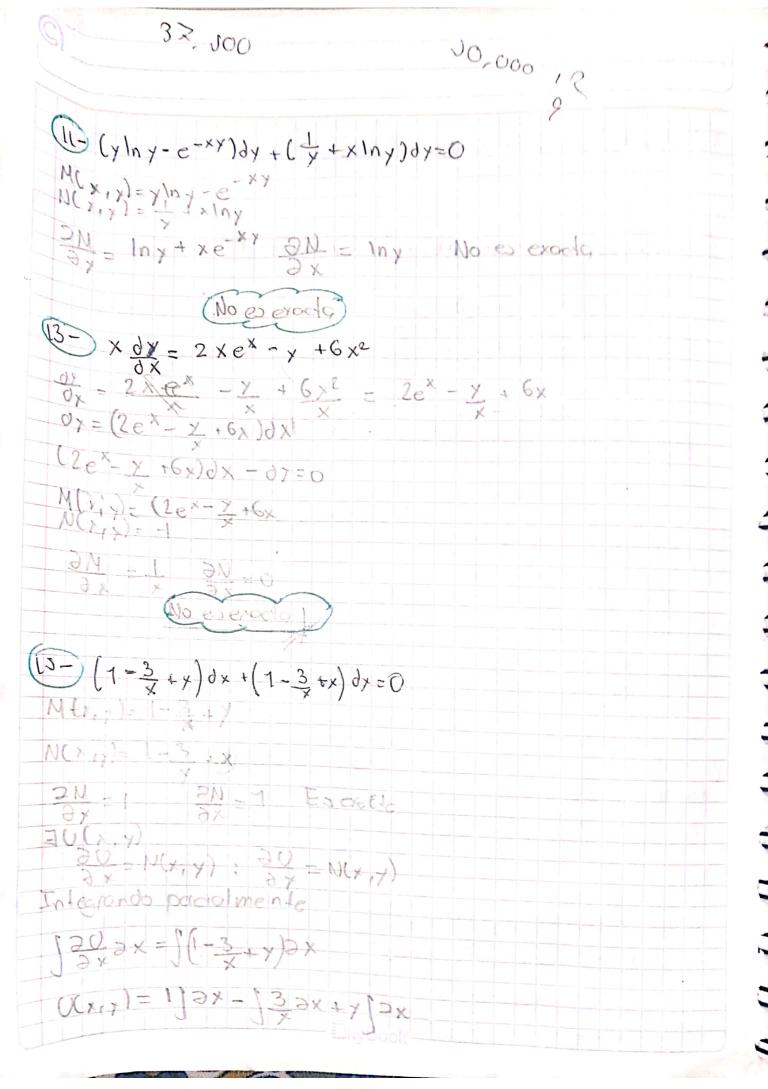
$$\begin{array}{c}
Integ(cno)
\end{aligned}$$

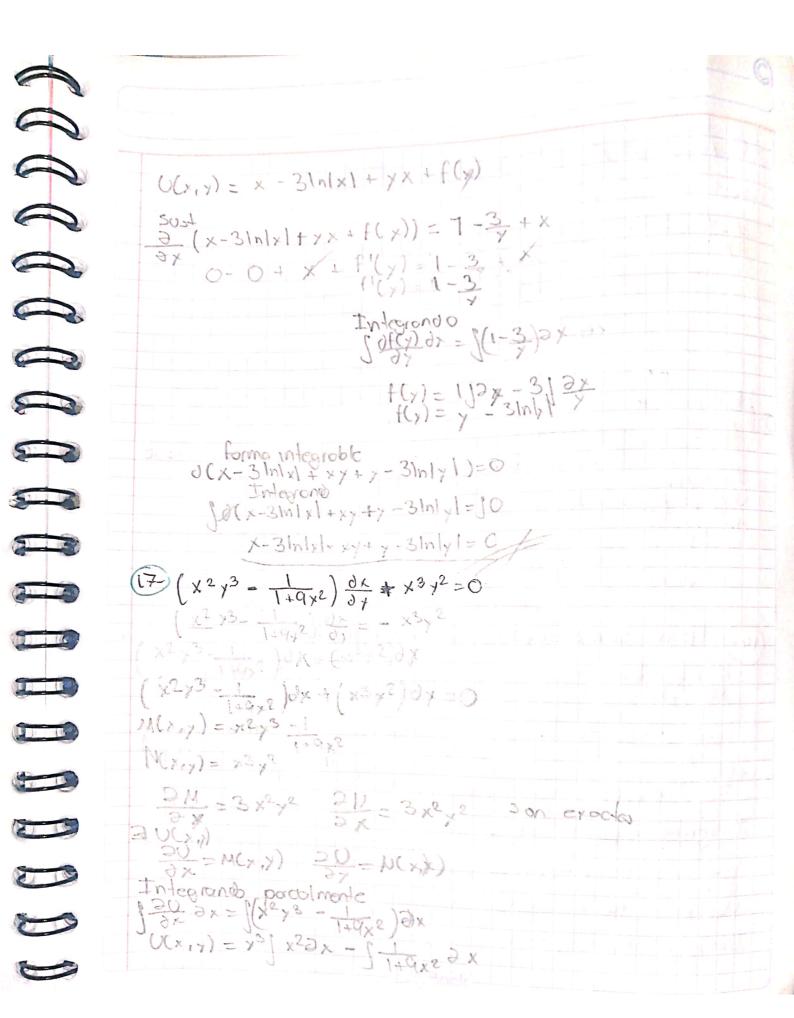
$$\begin{array}{c}
Integ(cno) \\
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\end{aligned}$$

$$\begin{array}{c}
Inte$$

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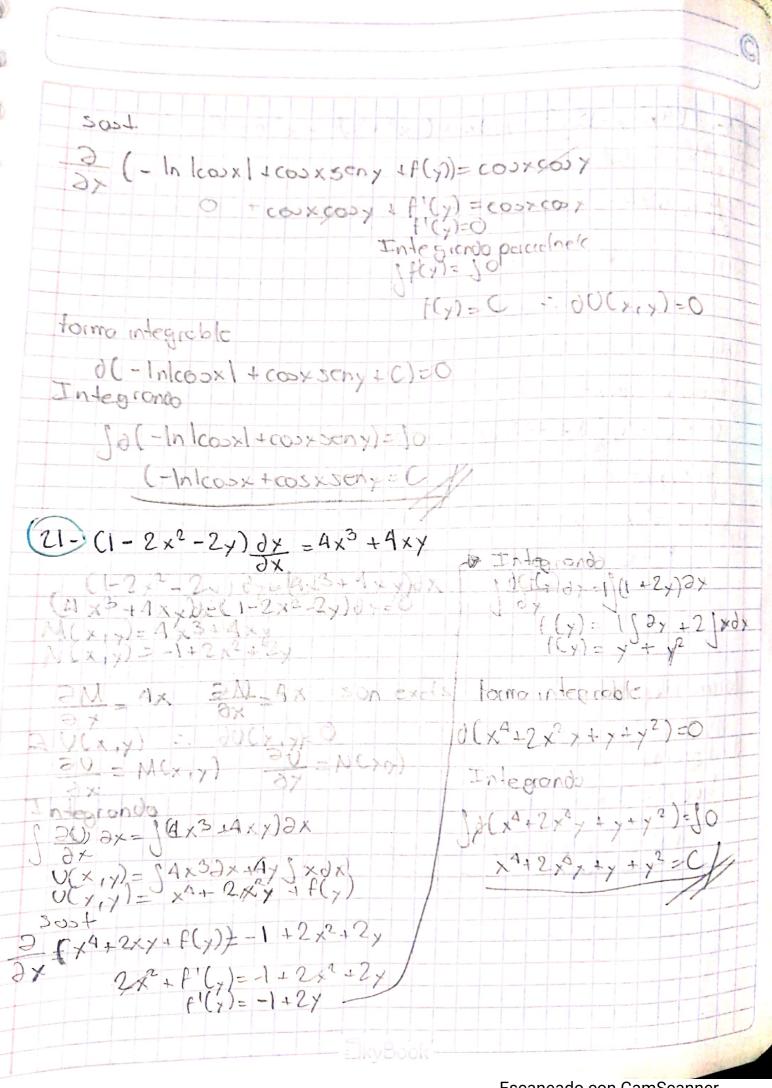


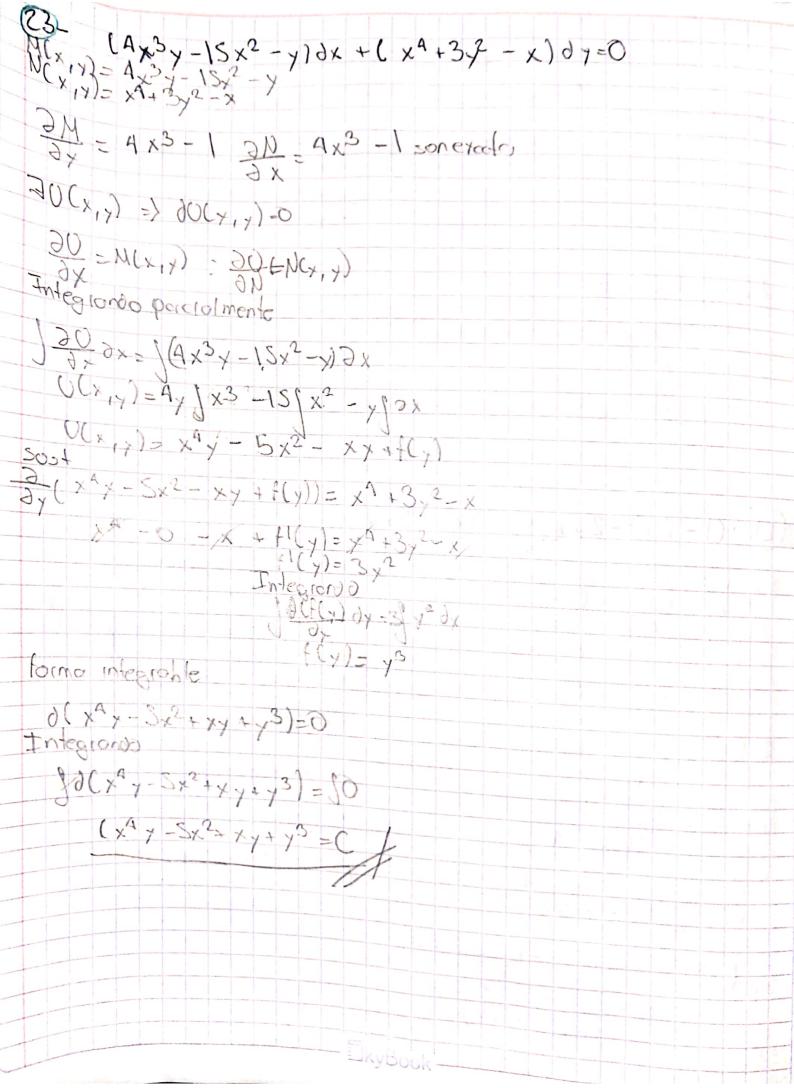


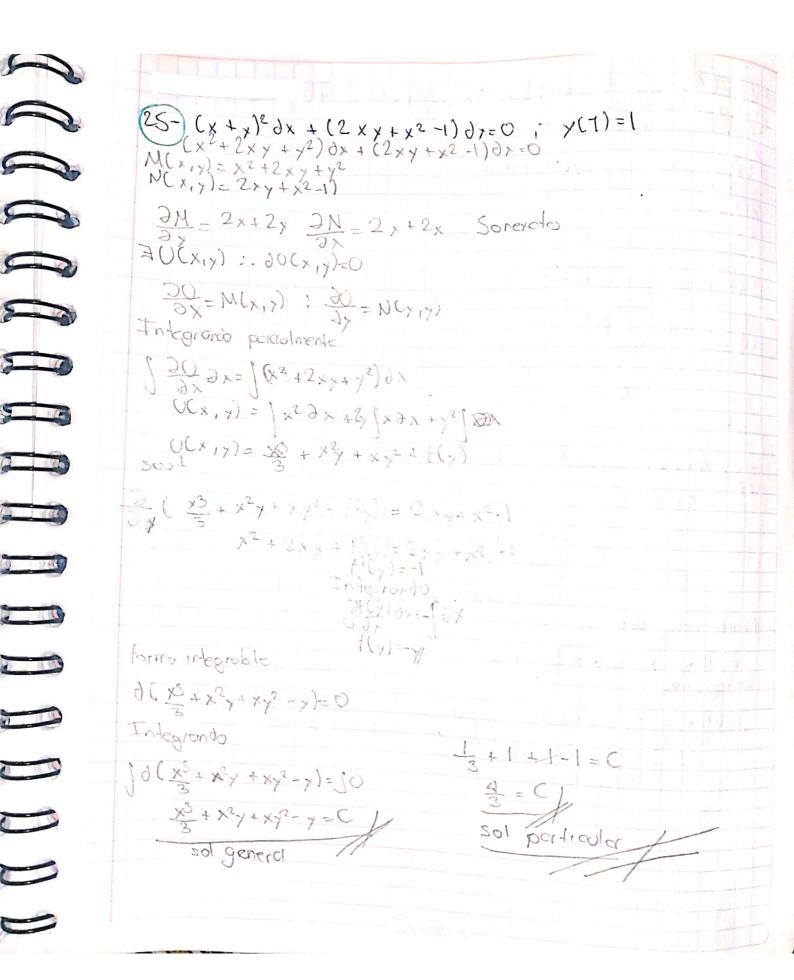


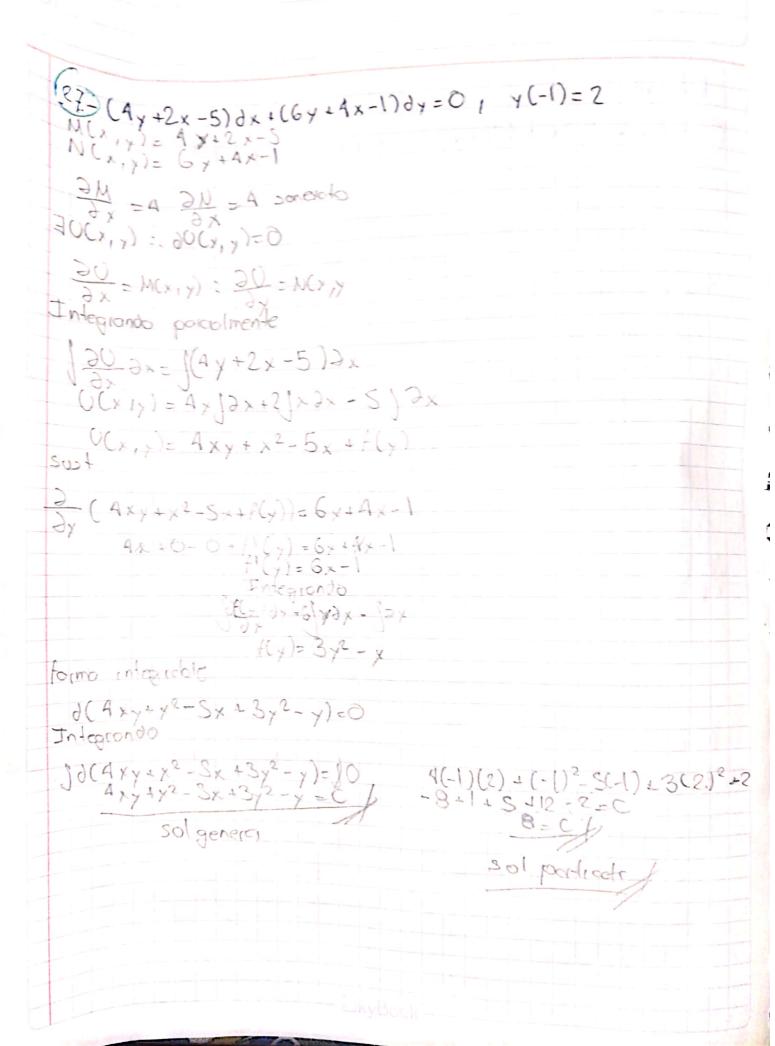
Sout 3 - 3 ton-1(3x) + f(y)
$\frac{3}{3}$ ( $7^3 \times 3 - \frac{1}{3} + 0 \text{m}'(3 \times) + f(\times) = x^3 \times^2$
$y = x^{3} - 0$ $f'(x) = 0$ $f'(x) = 0$ $f'(x) = 0$
bomo integrable f(x)= C :. 80(x, 7:0
$ \frac{d(y^3 \times 3 - 1) + cn'(3x) + C = 0}{2n + eg (ondo)} $ $ \int d(y^3 \times 3 - \frac{1}{3} + cn'(3x) + C = \int 0 $ $ (y^3 \times 3 - \frac{1}{3} + cn'(3x) + C = C $
$(y^3 \times y^3 - \frac{1}{3} + cn^{-1}(3x) + C = C$
(14-) (tanx -sen xseny)dx +(cos x cos x)dx =0
$M(x,y) = t_0 hx - se_n x se_n y$ $M(x,y) = c_0 x c_0 x y$ $\frac{\partial N}{\partial x} = c_0 x c_0 x y$ $\frac{\partial N}{\partial x} = -se_n x c_0 x y$ Son excl.
Totagrando pago mente
(30) dx = [tanx - senx senx)dx  U(x,y) = ftanx - senx fsenx  U(x,y) = ftanx - senx fsenx
$O(x_{17}) = -\ln 1 \cos x + \cos x \sec x + f(x)$

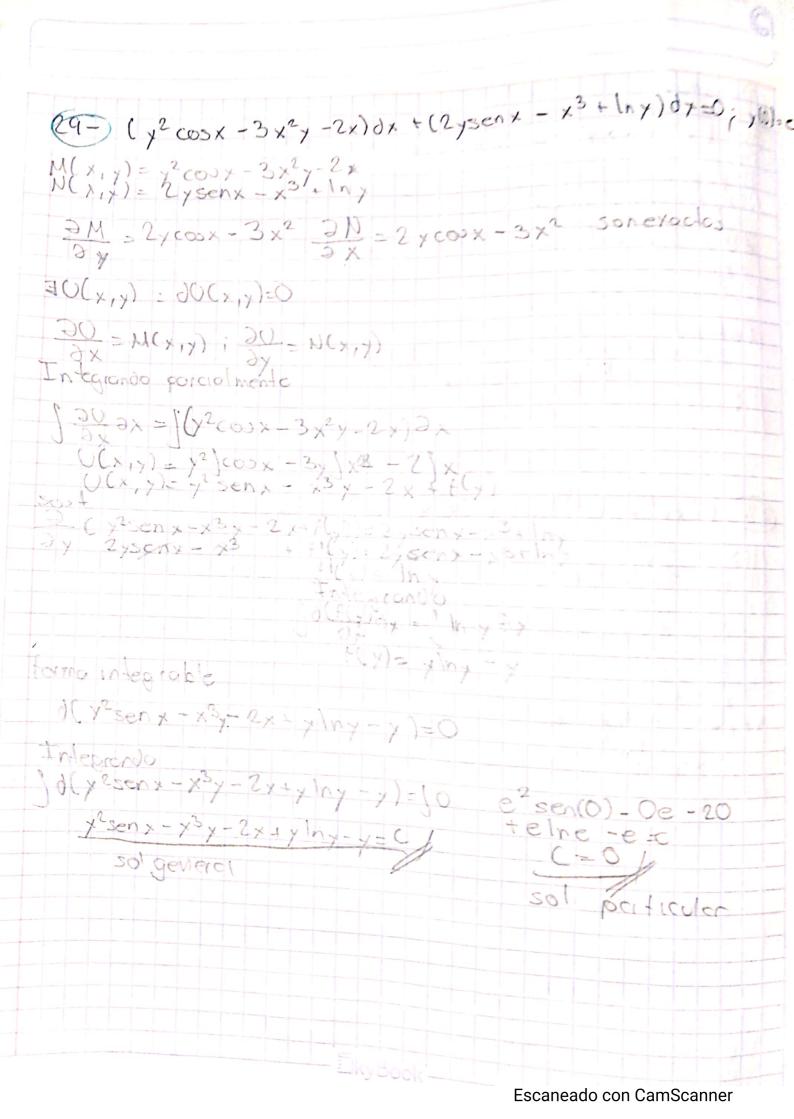
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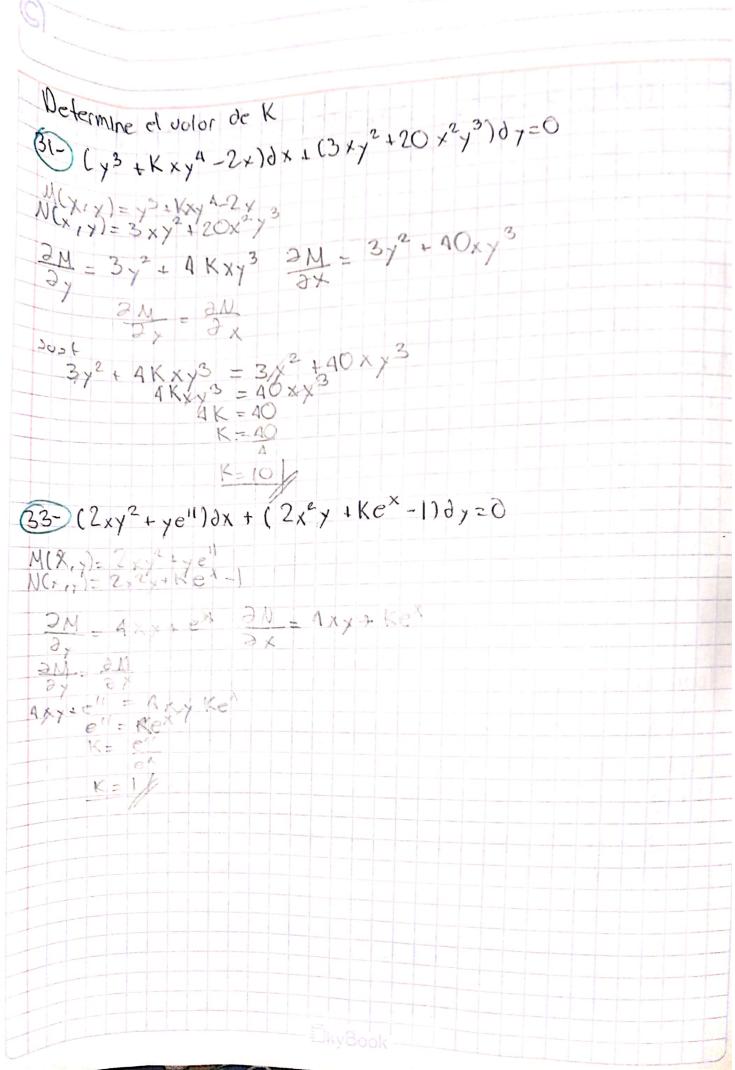






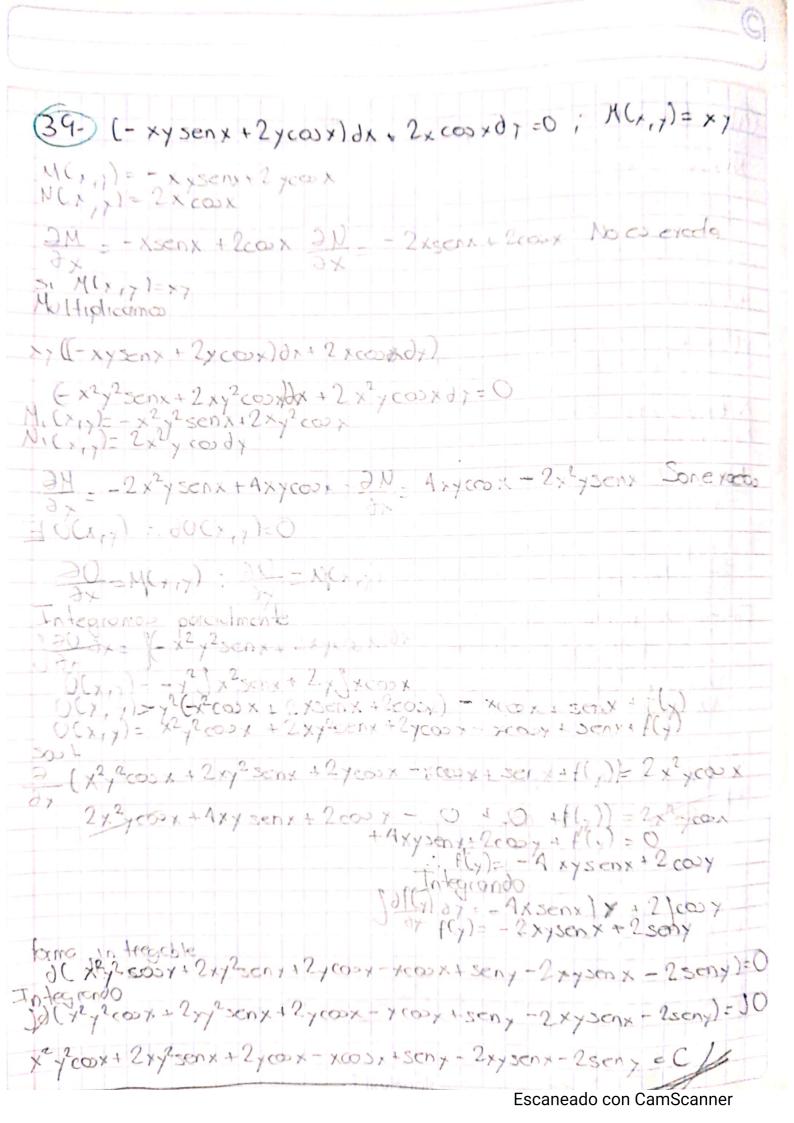






35- Decuzca con tonción M(x, y) tal que lo riguiente eracionsos N(x,y)=xex+2xy==0 2N = exx + xxexx +2x + x2 311 c 1 xyex7 + 27 + x2 Integrando ambos con respecto o y 1 2x 3x = (exx +xyexx +2x + 22) 3x M(x,y)= fex) dx + x fexx + 2x + x

B7- 6xydx + (4y +9x2) dy = 0; M(x,x) = y2 NC 17) = 6 x x + 9x2 All = ex 3N - 18x Nococketa MO17/1/= 3 13(6xy0x+(4x+9x2)0x) M(Cxy3dx+(4,3+9x2,3)d7=0 N(Cxy)=6xy3+9x2y2 3M, = 18 x y 2 3N = 18 x y 2 code 10x1 = 00000 30 = M(x1x) 30 = N(x1x) Inlesgrando percidinente 130 2x = 16x32x 0(x, 1) = 6, 73 5 x 0 x 0(x, 1) = 3, 2 x 3 + f(y) sost 2 (3x<sup>2</sup>y<sup>3</sup> + f(y)) = 4, 3+9, 2 y<sup>2</sup> 9 x 2 2 f ( x) = A, 3 + 9 x 3 1 Integrando JHC 20, - A ( x 3 ) 61 ma integrable 17 61 ma integrable 17 6 (3 x 7 3 + 74) = 0 Integrando (3273 + 4)=50 => 3× 13 + 1= C



(A)	
$\frac{AD}{AD} (2y^2 + 3x) dx + 2xy dy = 0 ; A(x,y) = 3x  N(x,y) = 2xy  2H - A = 211                                $	× yla letter let
NC1x3= 2x2+3x	
$\gamma_1 = 2xy$	
= Ay DN 2y No son exocito	
BH = Ay DH = 2y No son exocido  MULXINI = X	
Holdiplicano	
A(p 5	
1 + 3x ) dx + 2xydy).	
$\frac{x(2y^{2}+3x)dx+2xydy)}{(2xy^{2}+3x)dx+2xydy)}$ $\frac{x(2y^{2}+3x)dx+2xydy)}{(2xy^{2}+3x)dx+2x^{2}ydy=0}$	
M. (x,y)=2xy2+3x D. (x,y)=2x2y	
2 x2 y	
JU - 4xx JU - Axy : Consider	
ay = 4xy an = 4xy : Sonercolo	
DOLL DO ( 1 ) = 0	
$\frac{3(x,y)}{3(x,y)} = \frac{30(x,y)}{3(x,y)} = 0$ $\frac{30}{3(x)} = \frac{30}{3(x,y)} = \frac$	
Integrando execucimente  120 27 = 1(2xy2+3x)2x	
J 20 37 = 1(2xy2+34)2x	
U(x,y) = 12, y2 \ x \ x \ x \ 2 \ 14)	
$\frac{\mathcal{O}(x,y)}{\mathcal{O}(x,y)} = \frac{2}{2} \frac{\sqrt{2}}{\sqrt{2}} \frac{\sqrt{2}}{$	
Sout	
2 (x2 y + 3 x + P(y)) = 2xy	
2x2 y ~ O + f'(y) - 2x2	
f'(;) = 0	(4)
+(+) = C 	
forma integable  d(x2y2+3x+C)=0	
Integrando	
(x2,2+3x+c)= 10=) x2 x2 + 3x + C= C2	
2,2,3×-01	
$x^{2}y^{2} + \frac{5x}{2} = C$	

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