 	 (%

Mane: Leanardo estar Ribbiro Reso RA: 718104-3

1) a) [(x-2) dx = -[x - 2] dx
$= \frac{3}{X_3 - 7X}$
$\int \int \left(\frac{\lambda}{\lambda - \alpha} \right)^{2} d\lambda = \int \frac{\lambda}{\lambda} \cdot \frac{\lambda^{2}}{\lambda^{2}} du = \frac{\lambda}{\lambda} \cdot \frac{\sqrt{2}}{\lambda^{2}}$
V=X-9-300 = 1
= 2 + C = - (x-9)
$C) \times_{3} 1^{-1} \times X = \begin{cases} x^{2} \cdot \sqrt{1} & \text{div} \\ -1 & \text{div} \end{cases}$
$\frac{\partial w}{\partial x} = -1$
$= -\frac{\chi^{3}}{3} - \frac{1}{12} + C = -\frac{\chi^{3}}{3} - \sqrt{1-\chi} + C$



$d) \int x^2 \sqrt{1-x} dx = \int x^2 \sqrt{1/2} - du$
$\frac{\partial v - 1}{\partial x}$
$= - \frac{X^{3} - U^{3/2} + C}{3} + C = - \frac{X^{3}}{3} - \frac{1}{1} + \frac{1}{1} + C = - \frac{X^{3}}{3} - \frac{1}{1} + \frac{1}{1} + C$ $= - \frac{X^{3} - U^{3/2} + C}{3} + \frac{1}{3} + \frac{1}{3$
) 1+ex V = 1+ex
$\int_{\mathcal{A}} \int_{\mathcal{A}} \int$
$0 = 1 \times + 1$ $0 = 1 \times + 1$
$= \frac{\sqrt{3}}{3} \cdot \lambda = \sqrt{2} \times \sqrt{1}$
= 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9

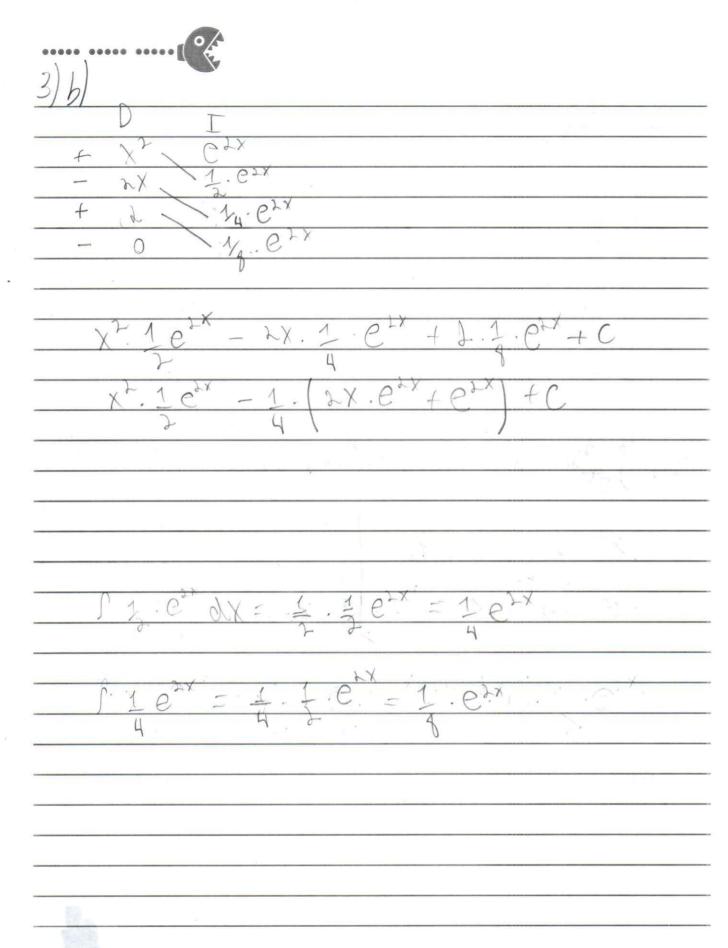


DP) TLG-5x 9x = 3	v. 20 =	· 12 72	
	1.6+	2.6	
0 = 6-9x	*	7	
30 = 2.6-2x			
= 0, e= 2.e=x	$=\frac{6^{-5x}}{6^{-7x}}$	= 1-0=1	
$C) \begin{cases} x & dx = \begin{cases} x \\ 1 \end{cases} \end{cases}$	Jus : 90	= x2. U/2	
N= gxf1			
$\frac{gx}{gm} = g$			
= X3. Nus. J. 9.	= X2. V2X	41.4	96-0=96
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Tid) 10 (x-1) J2-	X 0/1 =	2 ((x-1)	. U1/2.	du	
1)		1	8	-1	
12 11 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-			
() = 3 - X					
Ohr = 1.		n			
9%					
$=1x^{2}y^{3/2}=$	- x2	$-\sqrt{(1-x)^3}$	2	-x, -1	17-X)3]
2 3/2	2	$-\sqrt{(\mathcal{I}-x)_3}$	3	3	1
= 0-0,33 = -0	133				
^					
MG) -x . 1X+2	gx.	- J-X .	U412. d	M = -X	J. 1315
V= X+2					
du = 1					
9%					
2	70		1.1.		
= -X2. V(X+x)3	= 0-	- () = ()		
7	1-8				
8					
1.2					_
(a) 异原体(键式连注)					- 200
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J. du applicari TM & © 2016 Nintendo.



0.000	••••	••••	C.A.	1				
				1 1	A)		~	

Judo = v. J - J J. du
$3/d \int x (x+1)^2 dx$
$u = (x+1) \rightarrow du = \lambda \cdot (x+1) \cdot 1 dx$
dv=X.dX
$-0 = x^2$
7
$= (x+1)^2 \cdot x^2 - \int x^2 \cdot x \cdot (x+1) dx$
J. F.
$=(x+1)^2 \cdot x^2 - (x^3+x^2) \cdot 0 \times$
$=$ $(x, \pm x) \cdot 0x$
= (x+1)2. X2 - (x4 + X) +C
2 3.
3) C) X = ln X · X = ln X · X = - (X · 1 AX
$\frac{3}{3}$
U=lnx
dv=x2dx =lnx. x2 - 1. + + 0
3 3 5
$\frac{\sqrt{3}}{3}$
$\frac{1}{3}$
du = 1
X.

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Judv= 4. v- S. du



) C) [ln(1+2x)	$dx = \int_{1}^{1} \ln (4+2x) \cdot x - \int_{1}^{1} x \cdot \frac{1}{1+2x}$
w = In (1+2x)	= Im (1+2x) x - 2 Sy . 2 dx
do-dx	1+2.X
$\delta = X$	$=\int \int dx \left[1+\int x\right] dx$
du= 1. 2.dx	
1+3X	1= ln(1+2x).x-8.1 (U-lnU)
W= 1+6× > W-1=X	The state of the s
2	= ln(1+2x).x-1 (1+2x-ln(1=2)
1 U-1 . 1 du	
5 0 5	= lm (1+2).1-12/1+2-lm(1+2)
-1 (-)	- [ln (1+0).0-2 (1+0-ln.(1+0))
- 1 0 - 1 du	= 3 - 1 (3 - 2 - 3) - (-1)
4)00	$= 3n3 - \frac{1}{2}(3 - 2n3) - (-\frac{1}{2})$
= 1 10- 5 du = 1	(v-lnv) = 1,09-1,5+0,54+0,5
7	
	=0,6479
-	
	and the same of th

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$\frac{416)\int_{0}^{2} \frac{x^{2}}{e^{x}} = x^{2} - e^{x}$	-x - S-e-x . 2x dx
n= xy -> gm= xx g	-2.1-et. x dx
$\int_{C^{-x}} dx = \int_{C^{+}} dx$	$\frac{\lambda}{\lambda} = -6 \times X_0$
$= e^{h} - 1$ $= -e^{-x} + 1$ $= -e^{-x} + 1$ $= -e^{-x} + 1$	
= X2 e-x - e-x x2 =	
	0,27069+2=1,72932
$4) c) e \int x^q \ln x dx = 1$	$ln \times x^{10} - \int_{10}^{10} x^{10} dx$
$U = \ln X \rightarrow du = \frac{1}{2} dx$	$= \ln x \cdot x^{10} - 1 \int x^{0} dx$
$\frac{\partial V = \times^{d} dX \Rightarrow V = X}{10}$	$= \ln x \cdot \frac{x^{10}}{10} - \frac{1}{10} \cdot \frac{x^{10}}{10}$
= In e e e = 1 · e = 1	ln1.1-1.10 10 10 10)
$= \frac{10}{10} \left(\frac{1}{10} + \frac{1}{10} \right) + \frac{1}{10}$	= 1982,3679 FC,01
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