NAME: ALONYENU TREASURE AGBENU-OWO

DEPARTMENT: CIVIL ENGINEERING

MATRIC NUMBER: 19/ENG03/005

MAT 104 ASSIGNMENT

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	- HIOnnenny Treas	
	- Alongenne Trensuse Agrennowo	
	V Civil Engineexing	3
	V MAT 104 3	3
	MAT 104 Assignment D 3 te ^{2t}	
	- C - S BE - C	
	- Sudv = civ - Svdu	
	dv = 0	-
	_du = 3 (the v = 02t	
	_dt 2	
	dr. = 3dt	
	= 3t (e2t) - (e2t3dt	
	(2)	
	$= 3te^{2t} - 3 \int e^{2t} dt$	-
	2	
	$= 3te^{2t} - 3e^{2t}$	
	2 2	
	$= 3e^{2t}(t-1) + C$	1
- AU V	2	
X	a zisinx	
	Sudv = uv - Svolu	
	$u=n^2$ $dv=sin\pi$	2 10 10 10 10
	du = 22 V = - COSX	
		-
14	da	
	dy = 2nda	
ALA I	indv-svdu	
	2 (000 0)	FRIE
	= n²cosn - S-cosn2ndn	
AND DESCRIPTION OF THE PERSON		

niras n + [fraga 2 ndx
u=2n dv=cosx
du = 2 /= sinz
doe
du = 2dx
2xsinn - 2 sinnda
$2\pi \sin x - 2(-\cos x)$
2 x sinn + 2cos x
$\frac{1}{2} \cdot \int x^2 \sin x = x^2 \cos x + 2x \sin x + 2\cos x + C$
The state of the s
3 Sin Tricos 2xdx, A=7x, B=2x
$sin A cosB = L \left[sin(A+B) + sin(A-B) \right]$
2
= L [sin9x + sin5x]
2
Ssin Tricas 2ndn = 1 S(sin 9n + sin 5ndn
$= \int \frac{1}{1000} \left[\frac{1}{1000} - \frac{1}{1000} + \frac{1}{1000} \right]$
2 9 5 ~
Ssin Tx cos 2xdx = - cos 9x - cos 5x + C
18 10
4. (6x-3x2); 3x+1
1-21 221-322
$-3\lambda - 3\lambda^2$
5 - n
+1-n

