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DEPARTMENT: CIVIL ENGINEERING

MARTIC NUMBER: 19/ENG03/005

MAT 104 ASSIGNMENT

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V Course PHEnginezing	
19/FAGO3/OG5	
1 MAT 104 Assignment	EN
Let y = 10 x , dos = 2/2 dx	2
dx = dx ; u = 2xx	EN S
dv = dx	-
Sydri = uv - Sudv	
$= 2x^{3/2} \cdot \ln x - \left(2x^{3/2} \cdot dx\right)$	
3 / 3	
$(2\pi^{3/2} \cdot dx) \Rightarrow (2\pi^{1/2} \cdot dx)$	-
3 7 3	
$\int 2x^{1/2} dx = 4x^{3/2} + 0$	
. (22 dx = 4x + 0	
· Sa/2/na da = 2x3/2/na - 4x3/2 + C	-
Sn/2 nndx = 2x3/2 nx - 4x3/2 + C	
3 9	
@ S2cos 6t cost dt , A = 6t, B= t	
COSA COSB 2 [COS(A+B) + COS(A-B)]	
COSA COSB 21 COS(A+B) 1 COS (11 BZS	ara-
2	
= 1 [2cos7t + cos5t]	-
2	- Et-
= Scos7t + cos5t	E1-
	E-
· · · · · · · · · · · · · · · · · · ·	Sin
7 5	-
(3) Ssin x Cos 4 x dx	
since m is odd, u= casx	
	The Late of the late of
	THE PARTY NAMED IN

