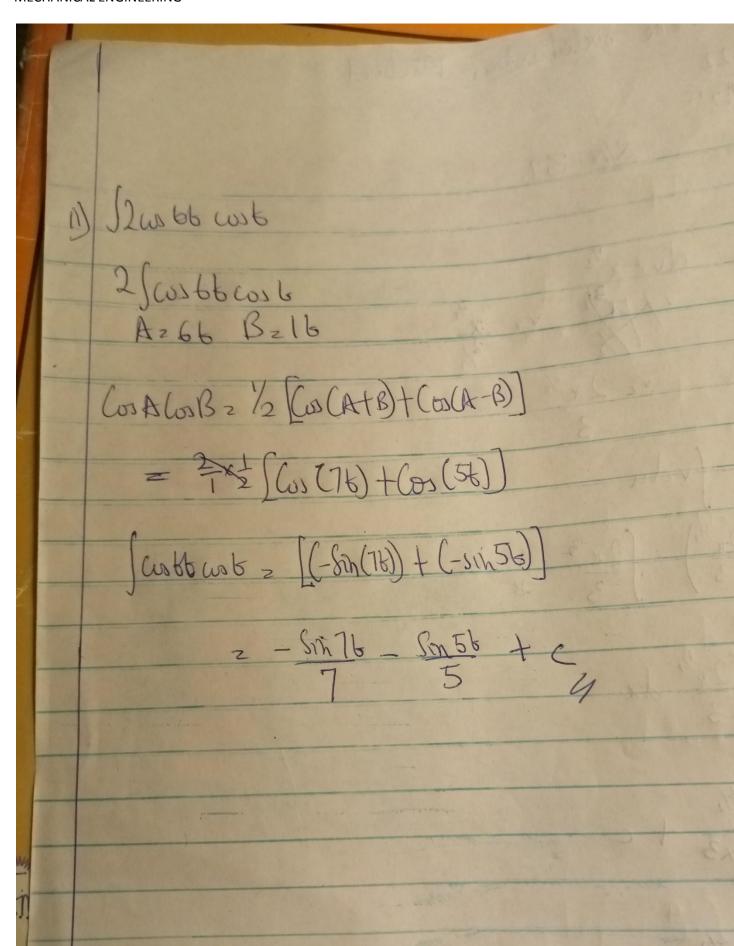
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MAT 104 SIN: 37.
Dazlan
1 2/2
1 moth va de
de 2 / 1/2
1 1 2 2 2/2 (4 Na) (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
du 2 da v2 2x2/2 (4)
102300 - (0) 3 (0)
Judve uv-Jodu
J C 31 C 310 1 1 1
$= \ln n \left( \frac{2n^{3/2}}{3} \right) - \left( \frac{2n^{3/2}}{3} \right) = \frac{1}{3} \frac{dn}{n}$
(3/)5
4 80,104 - 0
$\frac{2n^{3/2}\ln 2 - \int 2n'^2}{3} dx$
3
$\frac{2u^{3}/2 \ln 2 - 2x^{3}/2}{3} + e$
$2u^{3/2}\ln 2 - 2x^{3/2} + e$
3 3/43
= 22 <sup>3/2</sup> /n2 - 42 <sup>3/2</sup> + e
$= \frac{2x^{3/2}\ln x - \frac{4x^{3/2}}{9} + c}{3}$



nii) San'x costx
(II) JSIN X COS X
Since m is odd
urcosn
du z -sinn =) du z - du
dr
- And
Sih2x + cus2x 21
Nh32 21-COJ22
Sint. Sin 2. 49 du Sina
Sima
(
z - sinzu. ut dy
2- [C1-cvs2n] + u du
2-10-00-00
= ((u²-1)u4dy
(9,5),
(48-44) du 2 (4 - 45) + c
95
((22) ((2)21)
2 (03 12) - (03 10) + C
$\frac{1}{2}\frac{(\cos x)^{2}-(\cos x)^{5}}{9}+C$