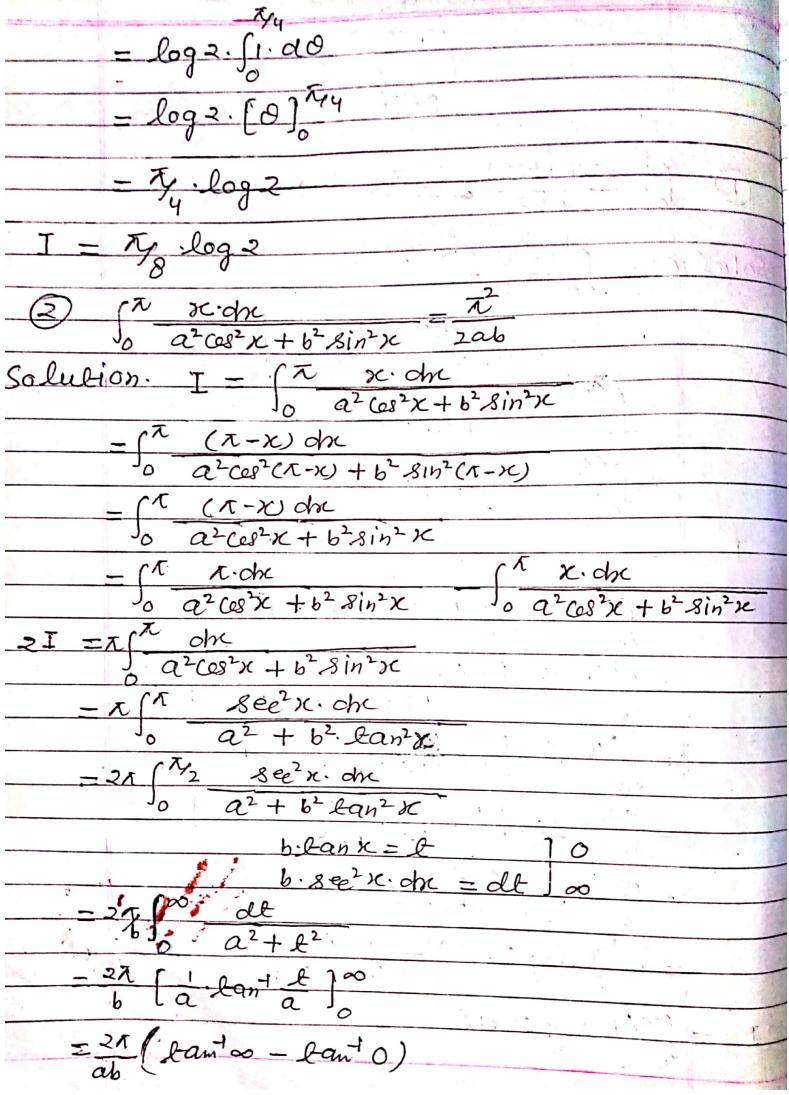
A. Maths. I (B) Unit 1 Chapter. Définite 9xtegrals. 1) log(1+X) dx= 7/8 log2 Solution. Solution. x = lan0on = Sec20.00 744. = ( 14 log(1+ Land) log (1+land) sec20.d0 8ec20 = fry log (1+land).d0 = \ \frac{744 \log[1+ \tan \tan \quad - \tan \tan \quad \] \do = [ Try log[ 1+ 1-land ] do = \ \frac{\text{Tyy log[1+tan0+1-tan0}]d0}{1+tan0} = \ \frac{\tau\_4 \log \left( \frac{2}{1 + \tau\_0 \right)} do}{1 + \tau\_0 \right) do} = \( \frac{\frac{1}{1}}{0} \log 2. d0 - \int \frac{\frac{1}{1}}{10} \log (1+ l-and) d0 = 5 44 log 2. do



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3 50	0.8in60.6840.d0
I= (1	0.8in60.co840.d0
*0	
- (1	(1-0). Sin (1-0). Ces 4 (1-0) do
0	
= 1	(1-0). Sin60. 6840. do
-0	
= 1	[1 sin60.6840.d0 - [10. sin60.6840.d0
$2I = \Lambda$	1 sin60. cos40.do
=21	M2 8in60. cos40.d0
	Jo
ニスバ	.(6-1)(6-3)(6-5).(4-1)(4-3)
	10.(10-2)(10-4)(10-6)(10-8) 2
=21	. 5.3.1.3-1 7
1	10.8.6.4.2
-37 <sup>2</sup>	
256	
I = 3x	
512	
11	