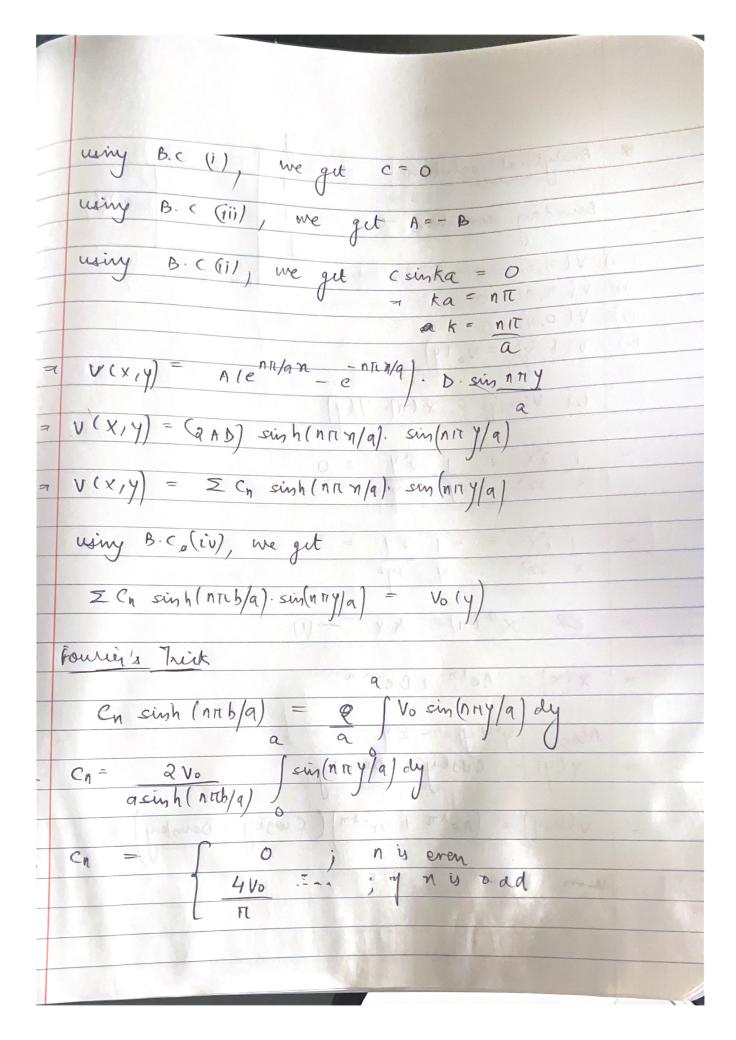
	y
OK.	Analytical solution
	Boundary conditions -101 9 (1) 9 (9)
	V J
<u> </u>	V(n,0)=0
ii)	$V(\eta, \alpha) = 0$
	$V(0,y)=0$ $V(b,y)=V_0(y)$
(0)	O(B) 9 O O O O O O O O O O O O O O O O O O
	ut V(m,y) = x(n). Y(y)
	(Ell 11V) & Doluyungus (SVE) - His) A
٦	$\frac{1}{1}\frac{3x}{3x} + \frac{1}{1}\frac{3^2y}{3^2y} = 0$
	x 22 [2/1/ A11 2 2/2 b/ 1/ 1/4) 4 5/2 = (1/2) / 1/2
=	$13^{2}\chi = -13^{2}\gamma = k$ and (vi), 2 d prive
	X 2n2 Y 2y2
	I Ca sinh ( arch / a) sun( 1 1 1/ ) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
>1	
	$\chi(m) = Ae^{kn} + Be^{-kn}$
7	x(n) = Aern + Bejen
	Also, y'(y) = - ky
7	
7	V(x,y) = (Aekn + Be-kn) (Cosky + Dsinky)
	term product to the contract of the contract o



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$V(n,y) = 40.5  \sinh(n\pi n/a) \sin(n\pi y/a)$ $\pi n = 1,3,6  n  \sinh(n\pi h/a)$
1 n=1,3,6 n sun(nrt h/a)
when $n = b$ ,
$V(n,y) = 4v_0 \ge sigh(nut) = sigh(nut) $ $tt$
to n sup (n H) g
411- 5 sig(n 17 4 9)
TI odd n
1)