Norles lep 12 5/8/1000 Max Sin Tobala any borar that I have a sur u(x, e) = Z An cos(25/ne) + Qnsm(25/n-0)/cos(5/n+1) $let \lambda_n = \alpha_n^2$ X = C, Sh (dnx) + C2 (08 (dnx) =) X = (2 (08 (dnx)) 02 (2 cos (271 cm) 27 dn = 77 n - 2 ×n = 2 - 4 $\chi'^{\circ} \propto_{n} c_{1} \cos(\alpha_{n} \chi) + \sqrt{n} c_{2} \sin(\alpha_{n} \chi)$ $0 = \sqrt{n} c_{1} \cos(0 - \alpha_{n} c_{2} \sin(0 - \alpha_{n} c_{3} \sin(0 - \alpha_{n} c_{4} \cos(0 - \alpha_{n}$ 1 2 (= -4) 2 121, 2, 3n. (6) ((x,0)= 2 An cos 0+ Bn smo) cos (6-4) x) $=\frac{2}{2}A_{R}\cos\left(\frac{2}{5}-\frac{1}{4}\right)\times =3\cos\left(\frac{3}{4}\right)-2\cos\left(\frac{5}{4}\right)$ n=2 n=3 n=3 n=2 n=2UE (x,0) = E(-2(2-4)Ansan 0+25-+)Bn cos 0) as (3-4)x) = = (n - 2) Bn Cos(2-4)x) = -5cos 4 +8 cos 4 (1-2)sp=5 (8-2)sp=8 U(xt)=-105/2 () cos (+x) +3 cos (3 +) cos (3x) 12 B, 2 - 5 11 B6 28 B, =0, nt 1, 6.
B, 2 - 60. B8 = 4 B, =0, nt 1, 6. -2 cos (e) cos (x) + GSMED COS(4X) (1) f(x)2 / \frac{1}{11} x, 0<x<\frac{1}{11} $A_{n} = \frac{2}{2\pi} \int_{0}^{2\pi} f(x) \cos\left(\frac{\pi x}{2}\right) dx = \frac{1}{\pi} \left(\frac{5\pi}{\pi} \cos\left(\frac{\pi x}{2}\right) dx + \int_{\pi}^{2\pi} \left(2 + \frac{\pi}{\pi}\right) \cos\left(\frac{\pi x}{2}\right) dx\right)$ Bn= 0 N=1,2,3,,2