Sec 71 f(x) = ao + & an cos n mx $\Omega_0 = 2 \int f(x) dx = 2 \int (x - x^2) dx$ $= 2\left[\frac{\pi^2}{2} - \frac{\pi^3}{3}\right] - 2\left[\frac{1}{2} - \frac{1}{3}\right] - \frac{2}{3} = \frac{1}{3}$ an= 2 (x) cos non dn=2 (x-x2) cos non da = 2 (2-22) $\frac{8inn\pi n}{n\pi} - (1-2n) \frac{-(08n\pi n)}{n^2\pi^2} + (-2)$ (Sin n 17 4) f(x) = - 1 + 2 - 2 - (E1) n+1) COS NOTA