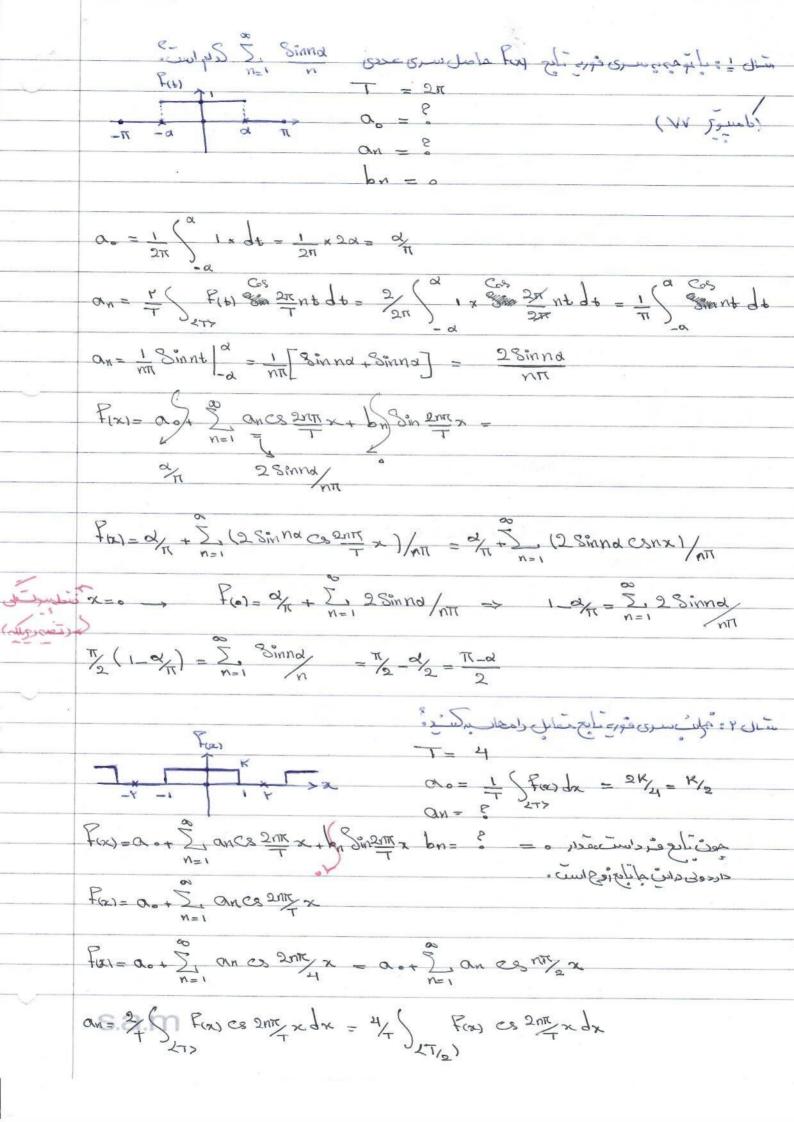
مُطْ رَوْ صَالِي مربوط مِسرى حَى مُعرفه ، · obci (x) = a + 5; an c = 27 nx + b sin 27 nx , ii(1 Fix1= a + a, c3 21 x + 6, Sin 2x x P2(x) = 00 + 01 C3 21 x + 6 Sin 21 x + 02 CS 41 x + 6 Sin 41 x F3(x) = a + a, cs 21/x + b, 8in 21/x + a cs 21/x + b Sin 41/x + a cs 21/x x b cs 61/x Fix = Lim Frix مروراله مر المراج المر ) I twodx ( a D color of the property of (F(x o)) + F(x o))/2

- color of the property of the · = 4 /2 Par (827 mad by = 4 ( 1/2 PaySin2n dx a = an = a intropic plice Far nie 2 gentianos a 1) Sexide Sexide const Spander = S Reyledy) = S Regardy = S Regardy | x=-9/ procession 2) Starde - Starde siegli جى ماملىرى بى مايخ اوج دى الح دى دورات و دامل مرى بومايع ، وج وارد ، وج است .



an = 4 ( 1xes 2nn x dx = ( cs m x dx = 2/8 in nn x ) Prox = a + 5 an cs 2nT x + 6, 8in 2nT x Fon = K2 + 5 2/ Sinning Carity Fix = x|x| = {-x2 - 11/x/0 bn = 2 | Fax Sin 2nit x dx = 4 | Fax Sin 2nit x dx = 21 (T x28in 2nT x dx = 2 T x28in nx dx 2/1 - 2 CSNX + 2x Sinnx + 2/13 CSNX TI 2/ [ (-12 CSNR + 21 SINNR + 2 CSNR) 2 N3 Zan Naoglich ensist musiking so Parez so exxx chier din F(x)= 00 + 5, 04 Cs 2nT x + 6, Sin 2nT x  $a_0 = \frac{1}{1} \int_{-\infty}^{\infty} e^{-x} dx = \frac{1}{2} \left( e^{-2} - 1 \right) = \frac{1}{2} \left( e^{-2} - 1 \right) = \frac{1}{2} \left( e^{-2} - 1 \right)$ F(0) = 1 (1-e-2) + 5, an  $\frac{1}{2}(1+e^{-2}) - \frac{1}{2}(1-e^{-2}) = \sum_{n=1}^{\infty} a_n \Rightarrow \frac{1}{2}(1+e^{-2}) = \sum_{n=1}^{\infty} a_n s.a.m$ 

|   | m est by the company of the control   |
|---|---|
|   | & Continuo Cost of the Com  |
|   | ثرف كشربتا بحراساً در (١٠٥) تعرف ست من الرائي المحرام فاصل (١٥٥) به طور أوى   |
|   | آ تون داده دوای مایج هماملی دی قوری شون به باش سری قوری ی دری قوری سری قوری استان سری قوری سری آ  |
|   | اللبّ دلي الله ومني ومني ٥ = ١١ الله ومني ٥ = ١١ الله ومني ١٠٥ - ١١ الله ومني ١١ الله  |
|   | 0 = 2 (   |
|   | ansas into into into into into into into into   |
|   |   |
|   | $b_{n} = 2 / \left( \frac{V_{2}}{V_{2}} \right) = \frac{2n\pi}{T} \times dx = 2 / \left( \frac{1}{V_{2}} \right) = \frac{2n\pi}{L} \times dx$ $Q_{0} = Q_{n} = 0$   |
|   | Fox) (VAGE Gir d)   |
|   |   |
|   | $a_0 = \frac{1}{2} \left\{ \frac{R_{xx} dx}{2} = \frac{1}{2} \left( \frac{R_{xx} dx}{2} = \frac{1}{2} \times 2 \left[ \frac{1}{2} x \right] \right\} = \frac{1}{2} = a_0$   |
|   | $\alpha_{n} = \frac{4}{2} \left( \frac{1}{2} \times \frac{2n\pi}{2} \times dx = 2 \right) \times \frac{2n\pi}{2} \times$ |
|   | 2 x ( x 2 smntx+ 1 contx) = 2 cs 5m2 = 3 [cs5n-1] 1 contx x   |
|   | 25n2  |
| J |   |

s.a.m

سؤال: هرطه تحدید (۱۳ ره-) و (۱۳ مر) و الا + ۱۲ مانشد مانیمه سری قورم اس نام مامل سری سود

ا معدد الله م داست مه مه و معام المعزوج است.

$$\alpha_0 = \frac{1}{T} \int_{2T} P(x) dx = \frac{1}{2\pi} \int_{2\pi}^{\pi} x^2 dx = \frac{1}{2\pi} x^2 dx = \frac{1}{2\pi} x^3 \int_{-\pi}^{\pi} = \frac{2\pi^3}{2\pi^3} = \frac{17}{3}$$

$$\frac{4}{\pi_{N2}} \left[ \times csnx \right]_{0}^{\pi} = \frac{4}{\pi_{N2}} \left[ \pi csn\pi - o \right] = \frac{4}{\pi_{N2}} \times \pi csn\pi = \frac{4}{\pi_{N2}} csn\pi$$

$$(\pi^2 + \pi^2) \times \frac{1}{2} = \pi^2 + \sum_{n=1}^{\infty} + \sum_{n=1}^{\infty}$$