2 (27-x2) x2 $(2-2x)(1-x)^{2}+2(1-x)(2x-x^2)$)= $(1-x)^{\frac{1}{3}}$ 12-2x -2x +222) x 2 (1-x)3 tinh ren n (n+1) an 7.2x+2.3x2+3.4x3+. 13-1 8 S(t) at 2 x2 + 2 x 3 + 3 x 4 . . = = 2(2+2×2+3×3+...) = 2.5hxh = (1-2)2 S(x) = (1-x)2) Silger Pegroe.

Even 6 heg trensrope monino
monino no n. Degressire. peguonum, no 6 p. 7. Though 5(x) " as + E an cos Phx + Bsin L 90 = - S 5(2) dx Bn = 1 5 S(x) cos Pnx dx

Eun S(x) - remn. 4a I-(, 17 an = = 5...; bn 20 Meopema Dupuinne! eun na I-1, 17 gynkyme kge dion. lla kye. organur., no 6 morken ceenge. preg cxogameie k 512), 6 nomax jagjuba sougequescea juarenus Sayronneme 6 preg Gyrse c heprogon 2R! 2R! $2R \times 20$ $25(x)^2$ 3/2 $0 < 2 \leq R$ 90 yrenque 212

an 2 7 5 - 2 cos (nx) dx = costa) d(hx) z 2 1 sin nx /-n = 0 bn = 2 2 2 1 Sth (hx) dx = - 1 cos hx / 2 Umorobans peg 1 2 2 - n_n cos $n \times 10^n$ = $f(x) = \frac{1}{9} + \frac{2}{m=0} \frac{3}{12(2m+1)} \sin ((2m+1)x) = \frac{1}{2\pi n} - \frac{(-1)^n}{2\pi n}$ 1-1)n + 1 = 3 f(x) = 126, -R < x < R $\frac{1}{2} = \frac{1}{n} + \frac{2}{n} = \frac{3}{n}$ m.e. Onju rem n 4

n. e. The merin. $\frac{2}{R} \cdot \frac{R^2}{R} = \frac{72}{72}$ $\frac{2}{R} \cdot \frac{R^2}{R} = \frac{2}{R} \cdot \frac{R^2}{R} = \frac{2}{R} \cdot \frac{R^2}{R} \cdot$ $=\frac{2}{Rn^2}(1-1)^n-1)$ $=\frac{1}{n}-\frac{2ein}{n-uevein}$ $=\frac{1}{n}a_n=0$ $=\frac{4}{Rn^2}$

Teg njunem Rugi S(x) = 2 - 7 = 1 (05 (12h +1) 2) B Pyraner 5(x) = 2 - 2 payronume B preg korrengeob sea unimeribare (0, 12) Solve a pregendelle 6 bege pega sugares tops la compete (-R, 0) rémusan expanse presente le competente la competente (-R, 0) rémusan expanse presente la competente mos presente repose repose la competente, uno presente republicant republique republique republique. 6 h 20 j a o u a n - noerumanu a 2 2 5 4 - 2 dx 2 0 an = = = = (= = =) cos nx dx = $= \frac{2}{n} \frac{n}{s} \frac{n}{s} \cos nx + \frac{2}{n} \cos nx dx$ $= \frac{1}{n} \frac{\sin nx}{s} \cos nx + \frac{2}{n} \cos nx dx$ $= \frac{1}{n} \frac{\sin nx}{s} \cos nx + \frac{2}{n} \cos nx dx$ -1 6 (-1) n -1) Rpu n=2m: 0

-1 7 (-1) n -1) Rn²

Rn²

Umorobout Bey pegas 2 = 2 = 2 (2h+1)2 cos/nm1)x) Jayan D. Decempenes payeomennen Brieg Byne 215 hawhen cynnor pelgos: 21/8/3 222 2 22 7 5 22 3 05 121 (-1) 2-1 n2 Usemerpaie Pypse абонночныеририна г кусото - пепрерывная S /Scxs/dx SCN) - Kege. along. 00, Unneyour Eypses S(x) = & [alg) cos(xy) + b(g) s/h(xy)]dy a(5)=15 5(9) cos(24) dy 819) = = 5 8 (4) sin(xy) dy

(D) S(x) = 51-2 1 0 = 2 < 2 20, 2 > 2 Rancicamo Cenem-n Pynoe, progovinulo remission octrazora non a 20. 8(9)=0 a(y) = 2 3 (1 - 2) cos (xy) dy = = = 1 (5 cos6xy)dy - 5 = cos(xy)dy)= = = 1 Sin 2x - 1/9 sin (24) - 5½ sin(24) B(x) = \frac{2}{\gamma} \left(\frac{5}{\chi} \gamma \chi \frac{7}{\chi} \left(\frac{9}{2} \sin (\chi \chi) + \frac{1}{2} \frac{1} Sadv · cos 29) | 0 = 2 (SIN 2x - 7 (SIN 2x + v= Sdo

Megemabume 2/3 unm-n Pyrse $f(x) = \begin{cases} e^{-x}, & x > 0 \\ f(x) = \begin{cases} 0, & x = 0 \\ -e^{x}, & x < 0 \end{cases}$ 6 10 4) dy /2 Sado - av - Svida dy = a'dz v= Sdodx -ydu == = dy 0 0

0 5(5) = 5(x) - 5(x) - 125 \$(5) = -125 \$(2) = -125 \$(2) = -125 3 of Carlo Renumem presepresserune F: 5(x) -> 5/5 eix - west 1514 Roumermone fox)= 1 00 5 (5) e ix5 d/5 S(x) = { cos x, co, or 3 2 51/2 5 Sin & 2 eix 2 -ia (3/3) Ex1x1 ,03 = (x1 > 1 Bue omp. 72+7 9710 (e-is - eis) = 1 = 1 My े स्ता 2000 02 26

 $\{0, \infty, 10, n7\}$ $\frac{2}{2} \int_{2\pi}^{\pi} \int_{0}^{\pi} \frac{\cos x}{\cos x} \cdot e^{-ix} \int_{0}^{\pi} \frac{dx}{\cos x}$ $= e^{-ix} \int_{0}^{\pi} \frac{\cos x}{\cos x} \cdot e^{-ix} \int_{0}^{\pi} \frac{dx}{\cos x}$ 1 2 exis-5+1) + e-ix(5+1)
1/2 3 2 $= \frac{2i(1-\xi)}{2\sqrt{2n^{2}(-\xi+1)}} \frac{2}{i} \frac{2\sqrt{2n^{2}(1+\xi)}}{2\sqrt{2n^{2}(1+\xi)}} \frac{2}{i} \frac$ eni(1+5)-1 e Ri(1-5)-1 2 vn (1-5) i e years -senis _ s - e ns + e-n i s + 1 - 3 e nis Daneme Cocolege nol emplewater. Egeres yelemanous ombem dom \$(5) = is (e-in & -1)