

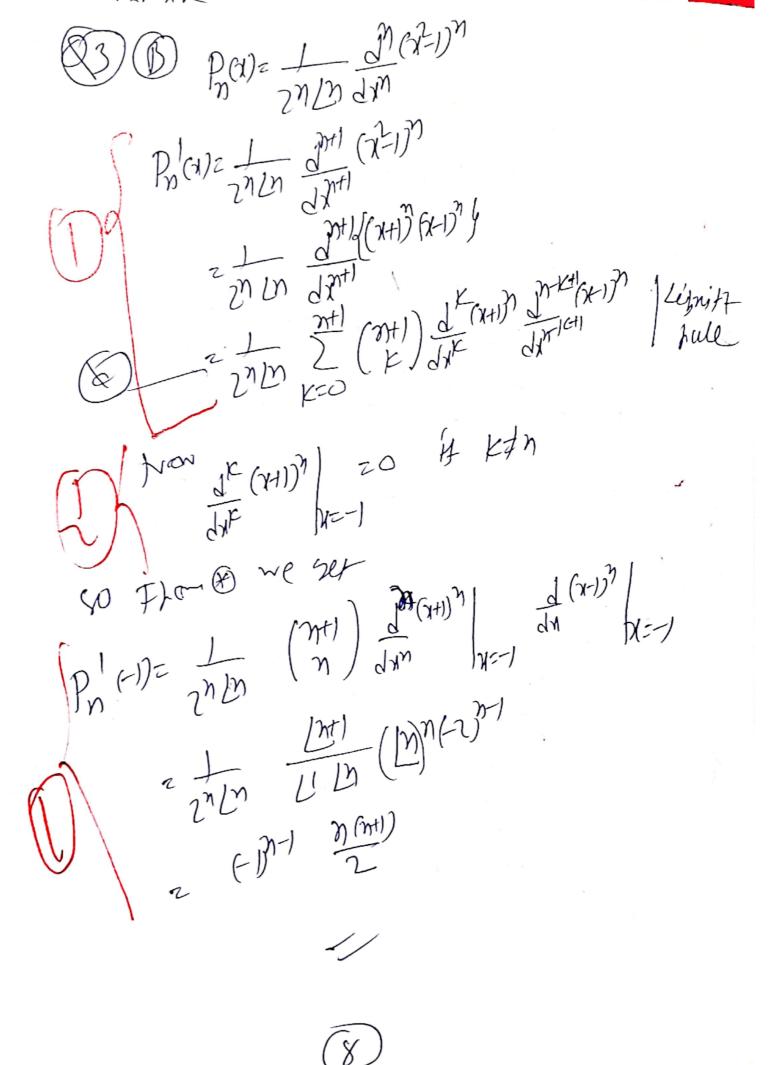
NOW WE get a=0 any Englisher and and ann = an-1 + n7/1 put 91=1, az = 90 = 7.3  $a_4 = \frac{q_1}{4.3} = \frac{q_1}{3.4}$  $a_5 = \frac{a_2}{5.4} = 0$  for  $a_1 = 0$  $q_{0} = \frac{q_{0}}{6.5} = \frac{q_{0}}{2.3.5.6}$ put 1= 4, 975,  $94 = \frac{94}{16} = \frac{91}{3.4.6.7}$ as agrace n=6,  $q_8 = \frac{q_5}{8.1} = 0$ a3K = 2.3. 5.6. ~(3KV 3K aylet = 3.4.6.7. 345km) = 3,4.6.7. ¥ 107/0 aze+2 =0

(2

8/+24=0, 05x El, 8/10=0, 8(1)=0 Foh J=0 (Care) =) y= AXHB =) y12A 9/10/20 0) 1/20 42 B@ y(4) =0=) B=0 Y = 0 not non tero som water of not eigenvalue For ><0 Care-12 =) 2n = ± J-7 42 A e (15) x + Be (15) x A e (5A) 1 + 15 e (5A) 1 = 0 y'(x) = JA (A e(JA) X - D e (JA) X 1/10/=0 => A=B. Nov Fhom (D) A [e(57)1+e-(57)7]=0

Do A	=0, &	& Herdore	120	h not an	CiDWalle.
ć	2	-	Comment	9	
For	270	Care-I	22		
aurile aurile	14 xx = 1	m <sup>2</sup> + λ= ( m=± i	5 1)		
y	(1)2 A a	n(JAX) +  T (- A in  2 = 3 = 3 =	V CTX	BCON(JA)	
	J'(0)=	7 ( ) =7. B= 4 (o) (Ja)			
	y (1)20	) = ) / (*)	A X		
=)	A 60) (	JA1) = 0	T , ' W	il want of	149
(2)	(b) (JA	1)=0 -) \lade (	2741) 2	Med,	1,1
		79 =	119	2 20	1111
		=) Az	(m) (1)	) / "ma	0,1,7

so to eign of values ar In a (Emily) an eigensfunctions are Yn (x)= An Con (JAnx) 2 An Cos (CMACX) to get normalises eigen function we have (1 yhanz) =) In / Cor ( (21H) Th) dy=) ) \$\frac{1}{2} (a) (\frac{1}{2} \frac{1}{2}) dy \frac{1}{2} ) In 1/ (+ (a) (m+1) xx) dy=/ 2 1 = 1 = X A = 0 M2月 (oh M2-月) so the normalises eisen function are OR Who - It Go ( En+1) Mi Yn= Jf (0) ((27H))7X



Jn(x)= 2 (-1)K THE TEAM) (-2) 2KAN got Replace nby-n in where we set J(X) = E (-1) (X) 2K-17

[X) = KED THE THAM! put K-nemin above (K=m+n  $f(t) = \frac{2}{m} \frac{(-1)^{m+n}}{1+m+n} \frac{(2)^{2m+n}}{m+1}$ - [m+1 = 0]

Te = 0 for Hm = 0

Te = 1

Te = 0

Te = 1 Nov We mit = 2 J(X) 261) I THAT THAM

(X) 1 M20

(X) 1 M20 (+) J(+) = (-1)n Jn(+)

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we Lare (X(7-7') = £ 5,(x) zn 7 + C 7 +0 Put 2= ein in above

\*\* (ein ein) = £ f(x) einop

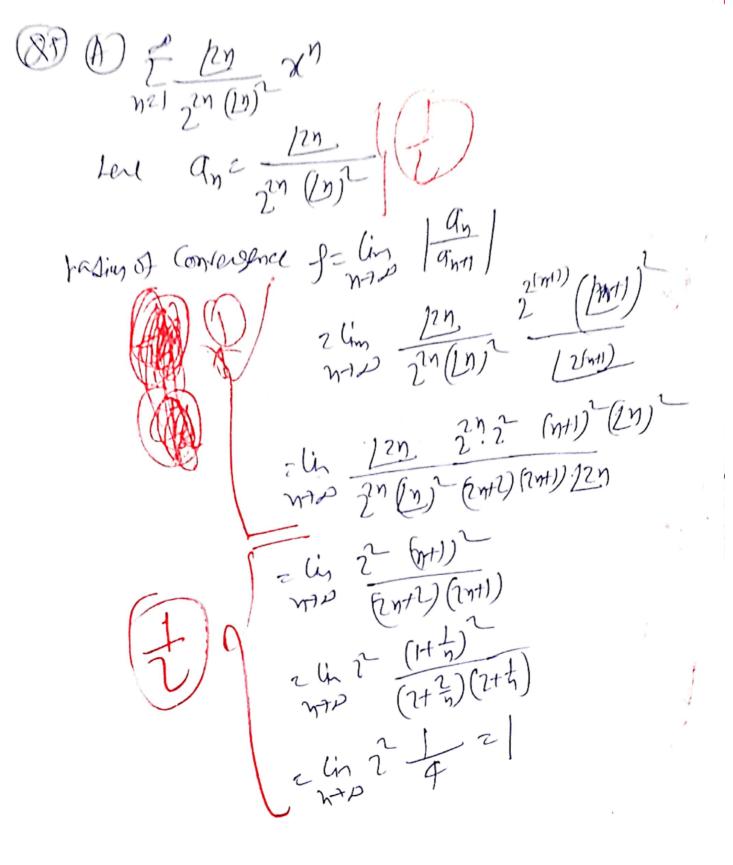
\*\* (ein ein) = £ f(x) einop Con  $(x in \Phi)$  =  $\frac{1}{2} J(x) (con p + i in m \Phi)$   $(an (x in \Phi) + i in (x in \Phi)) = \frac{1}{2} J(x) (an fin \Phi)$   $(an (x in \Phi) + i in (x in \Phi)) = \frac{1}{2} J(x) (an fin \Phi)$ + i Z T(x) in(na) Equiting Red and Imaginal's part of to alive Con (xing) = 5 (4) Con (ng)

Con (xing) = 7 (4) Cin (ng)

Cin (xing) = 7 (4) Cin (ng)

Cin (xing) = 7 (4) Cin (ng)

\_\_\_



Len and In y tasius of Convergence 82 Cm | an | 2 ling from (ntl) 2 ht) 4, 2 (Hh)=1 (E-1, D2 E-4, 9) fa)21-2, xft-1,1] Leve (2) L=1

Love (2) L=1

Lo a62 21 ), sh) drz t ) (+x) dr · t (x-3)

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anz t for conforts) on Len (=) = [ (Ax) Con(nr11) dx = 2 \ (1-12) (0) (mn1) de = 2 (C+1) (: Ginnax))/ -2 [ (-7x) chanx du = 4 ( x in 6/1x) dr = 4 f [x (- (o) (n) ) ] - [ (- (o) (n) ) dx y = 4 [-xcon(man)] + 4 ) (on (man) du = 4 (-6,712) G nKE (1) = - 4 (31) M = (-1)m1 4

(B)

by = { (1-x) in (n/x) de / 1 = / (fx) GnTN so to Fourier series for JANZ (-x2 a CID 5 HON & Got Edy (on Gan) + Eby HOTAL) = 3 + A C (-1) (Con (MM)) Pat at 1/20 f(i) is Continuous to 14 value of

Ha Follhier says at 1/20 is f(i): / 口多大在是例扩 可能的加工