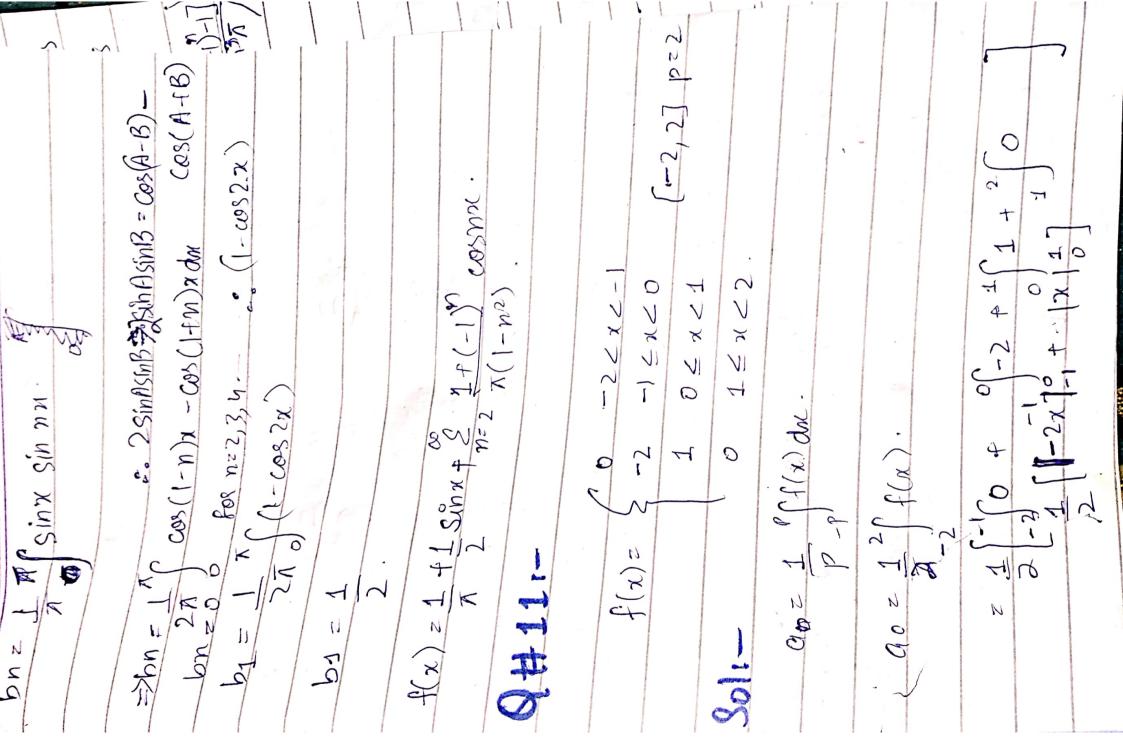


$bn = 2 (-1)^{n+1}$
$f(\alpha) = \pi + \frac{\varepsilon}{2} 2(-1)^{n+1} \sin n x.$
30 nel n Sinnx.
9022T
an = 0
$\frac{1}{h} = \frac{2}{h} \left(-1\right)^{m+1}$
Q# 9
$f(z) = \begin{cases} 0, -\bar{\Lambda} \leq x \leq 0 \end{cases}$
$f(x) = \begin{cases} 0, -\pi < x < 0 \\ -\pi, \pi \end{cases}, p = \begin{cases} -\pi, \pi \end{cases}, p = \begin{cases} -\pi, \pi \end{cases}$
$f(x) = a_0 + \frac{8}{5} \left(a_n \cos n \bar{n} x + b_n \sin n \bar{n} x \right)$
$a_0 = \frac{1}{p} \int_{-p}^{p} f(u) ch .$
$a_0 = \frac{1}{\pi} \int_{-\pi}^{\pi} f(x) dx.$
$\frac{a_0 = \frac{1}{n} \left[{{\circ} \atop {-\pi}} f(x) + {{\pi} \atop {0}} f(x) \right]}{n}$
$Q_0 = \frac{1}{\pi} \begin{bmatrix} 0 & 0 & + \sqrt{\sin x} \\ -\bar{n} \end{bmatrix}$

	$a_0 = \frac{1}{\pi} \left[-\cos x \right] $
<u></u>	$a_0 = 1 - (-1 - 1)$
	The state of the s
	$\frac{2}{\pi}$
850 850 850 850 850 850 850 850 850 850	$\frac{1}{\sqrt{1+\frac{1}{2}}} \frac{P(C(x)) QSNN}{\sqrt{1+\frac{1}{2}}} \frac{N}{\sqrt{1+\frac{1}{2}}}$
	$\frac{C(n-\frac{1}{p}-\frac{1}{p})}{\frac{1}{p}} \int_{-p}^{p} f(x) \cos n \tilde{h} x$
	$a_n = \frac{1}{\pi} \begin{bmatrix} 0 & \cos n\pi u \cdot t \\ -\pi & p \end{bmatrix} \begin{bmatrix} \sin n \cdot \cos n\pi u \cdot dn \\ p \end{bmatrix}$
	$an = \frac{1}{\pi} \left[\int_{0}^{\pi} \sin x \cdot \cos n \pi \times dn \right]$
\(\right\)	$a_n = \frac{1}{\pi} \left[\int_0^{\pi} \int_0^{\pi} \sin x \cos nx dx \right]$
	$an = \frac{1}{2\pi} \left[\int_{0}^{\pi} \left[\sin(1+n)x + \sin(1-n)x \right] \right]$
	$a_n = \frac{1}{\pi} + (-1)^n$. for $n \ge 2$, 3,4. $sin \ge A = 2 sin A cos A$ $\pi(1-n^2)$ Sin $\ge A = 3 sin (A+B) + 3 sin \ge A = 3 sin (A+B) + 3 $
	Annual Control of the
	$a_1 = \frac{1}{2\pi} \int \sin 2x dx = 0.$ Sin(A-B)
	$bn = \frac{1}{P} \int_{P}^{P} \left(P(x) \right) \sin n \overline{n} x$



	$q_0 = -\frac{1}{2}$
	$2n = \frac{1}{P-P} \int_{-P}^{P} f(\alpha) \cos n \pi x d\alpha$
	$2m = \frac{1}{2} \left[-1 \right]^{-2} \left[-2 \cos n \tilde{n}_{x} + \frac{1}{2} \cos n \tilde{n}_{x} \right]$
CENTRAL PROPERTY OF THE PROPER	$an = \frac{1}{2} \left[\frac{3nn\bar{n} \cdot x}{2} \right]^{0} + \frac{3}{2} \frac{3nn\bar{n} \cdot x}{2} \right]^{\frac{1}{2}}$
THE PARTY OF THE P	$a_n = \frac{1}{\lambda} \left[\frac{-\mu}{n\pi} \left(\frac{\sin n\pi}{\lambda} \right) + \frac{1}{2} \left(\sin n\pi \right) \right]$
STATE OF THE PROPERTY OF THE P	$\frac{z}{z} \frac{1}{\sqrt{2}} \frac{-2}{\sin n\pi} \left(\frac{\sin n\pi}{2} \right) = -\frac{1}{\sqrt{2}} \frac{\sin n\pi}{2}$
	$bnz = \frac{1}{2} \left[-1 \int_{-2}^{2} -2 \sin n \pi / n dn + \int_{2}^{2} \left[\sin n dn + \int_{2}^{2} \left[\cos n dn + \int$
2	$bn = \frac{3}{4\pi} \left(\frac{1 - \cos n\pi}{2} \right)$
	$f(x) = \frac{1}{4} + \frac{2}{n\pi} \left[\frac{1}{n\pi} \frac{\sin n\pi}{2} \cos n\pi x + 3 \left(1 - \cos n\pi \right) \sin n\pi \right]$
	Converges to -1 at $nz-1$, -1 at $x=0$ and $\frac{1}{2}$ at $x=1$.

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	Q#19:-
	Soli-
	The
100000000000000000000000000000000000000	at function in problem 5 is discontinuous
	So corresponding Fourier series
	converges to n2/2 at n=n. That is:
	The function in problem 5 is discontinuous at $x = \overline{h}$, so corresponding Fourier series converges to $\overline{h^2/2}$ at $x = \overline{h}$. That is: $\overline{h^2/2} = \overline{h^2/2} + \frac{2}{5} = \frac{2(-1)^n}{n^2} \cos n\overline{h} + \frac{1}{5} + \frac{1}{5} - \frac{1}{5} = \overline{h^2/2} + \frac{2}{5} = \frac{2(-1)^n}{n^2} \cos n\overline{h} + \frac{1}{5} = \frac{2(-1)^n}{n^3} = \overline{h^2/2} + \frac{2}{5} = \frac{2(-1)^n}{n^2} = \frac{2}{5} = 2$
	$\frac{1}{n} = \frac{1}{n^2} \left(\frac{1}{n^2} \right) \left(\frac{1}{n} \right) = \frac{1}{n^3 \sqrt{n}}$
-	$= \sqrt{2} + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + $
	$= \frac{7^{2} + 2}{6} + \frac{2(-1)^{n}}{n^{2}} + \frac{2}{6} + \frac{2}{n^{2}} + \frac{2}{n^{2}} + \frac{2}{n^{2}}$
	$\frac{7}{6} = \frac{7}{6} + 2(1 + \frac{1}{2} + \frac{1}{3^2} + \cdots)$
-	
	$\frac{Z^{2}}{6} = \frac{1}{2} \left(\frac{7^{2}}{2} - \frac{7^{2}}{6} \right) = 1 + \frac{1}{2^{2}} + \frac{1}{3^{2}} + \cdots$
	2 2 6) /22 /32
	At x = 0 - the series converges to 0.
	$0 = \sqrt{2} + 2$
plane (a.a.)	$0 = \frac{\pi^2}{6} + \frac{8}{12} \left[2(-1)^n \right] = \frac{\pi^2}{6} + 2(-1+1)^{-1} \left[\frac{1}{2} + \frac{1}{3} + \frac{1}{4^2} \right]$
n-change prior	20
- mileton	$\overline{\Lambda^2} = 1 - V_0 + V_0 - V_1$

 $\frac{7^{2}}{9} = \frac{1}{2} \left(\frac{7^{2} + 7^{2}}{6} \right) = \frac{1}{2} \left(2 + \frac{2}{3^{2}} + \frac{2}{5^{2}} + \cdots \right)$ $= 1 + \frac{1}{3^{2}} + \frac{1}{5^{2}} + \cdots$

T	Ex # 11-3
_	
0	#1:-
	$f(x) = \sin 3x$
S	
	$f(-\chi)$ = $\sin 3(-\chi)$
	$f(-x) = -\sin 3x$
	$f(-\chi)z-f(\chi)$
	This is an odd function.
	1#13 C() 1 1
	$f(x) = x , -\pi < x < \pi$ Sol:-
	f(x) is an even function we expand
	in cosine serves
	$q_0 = \frac{2}{\pi} \int_0^{\pi} x dx = \pi$
- 2(10)	$a_n = 2 \int_{\mathcal{T}} x \cos nt \times dx$
	$a_n = 2 \{(1)^n - 1\}$
	$f(n) = \frac{\pi}{2} + \frac{2}{n^2 \pi} [(-1)^n - 1] \cos nx$

