<u>B69</u>

Q.1. Find The Lime domain signal whose fewrer sources coefficient is given by,

 $C_n = j\delta(m-i) - j\delta(n+i) + \delta(n-3) + \delta(n+3), \omega_0 = x.$

⇒ We have,

 $\alpha(4) = \sum_{n=-\infty}^{\infty} c_n e^{jnw_0 t}$

Q.1. Find The Lime domain signal whose Fewier series coefficient is gueen by,

 $C_n = j\delta(n-1) - j\delta(n+1) + \delta(n-3) + \delta(n+3), \omega_{0=1}$

> mon we have, when (pio) to bellevis it

Lucy Silver K.

$$\alpha(H) = \frac{2}{2} c_n e^{jn\omega_0 t}$$

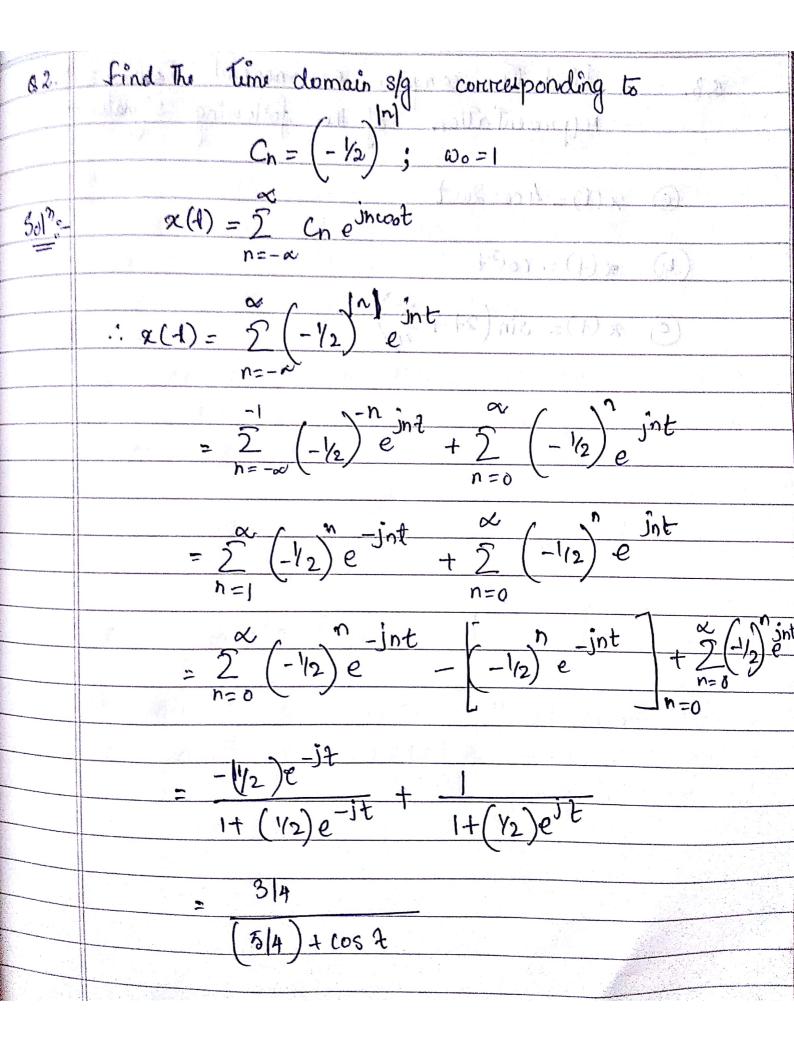
$$\frac{1}{n} = \frac{1}{n} = \frac{1}$$

$$= je^{j\pi t} - je^{-j\pi t} + e^{j3\pi t} + e^{-j3\pi t}$$

idles is it, is no set boild for one to be made

a to general a complete fillered inas the

Find The Time domain 8/9 contrellponding to $C_h = (-1/2)$; $\omega_o = 1$



Q3. Find the complex exponential fouvier suites representation of the following signals:

- @ x(+) = 4 cos 2wot
- - @ 2(4)= sin(2++ x)

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