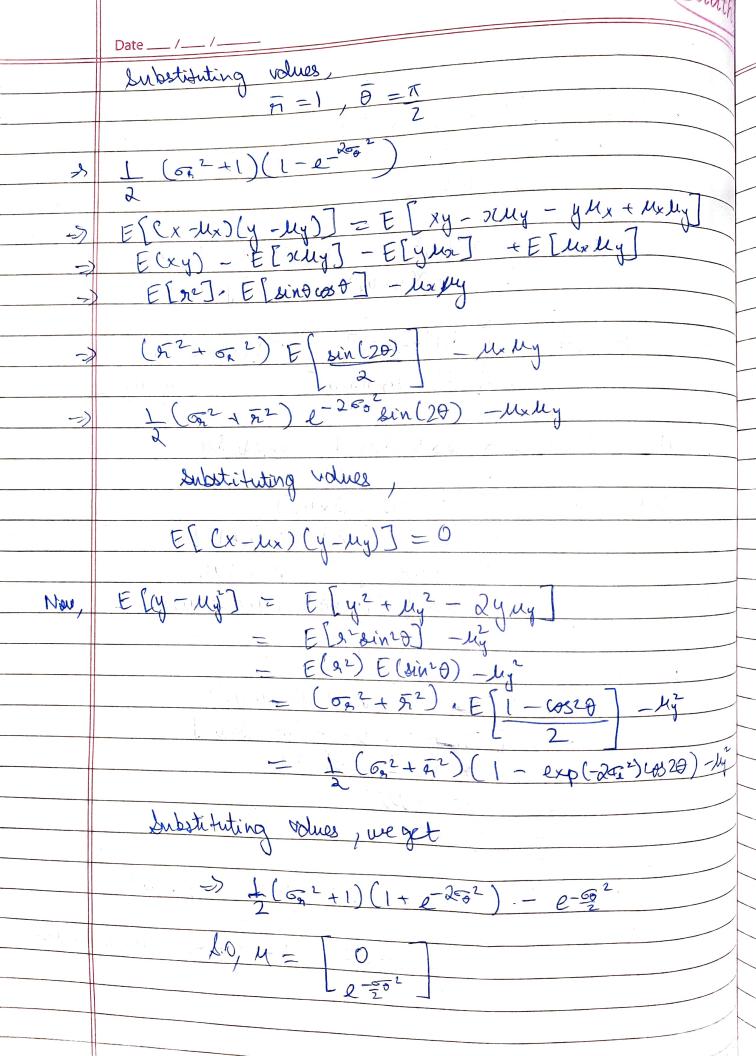
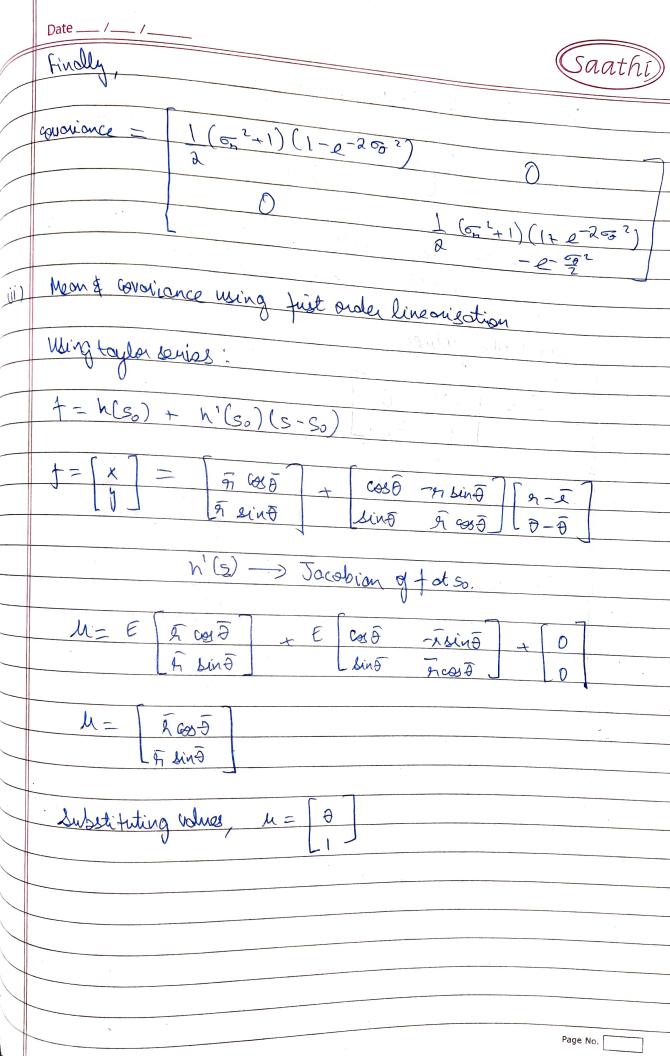
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	Date / /
Q2)	Polar to rectangular coordinates:
,	
	$\chi = rcss \theta$
,	$y = \pi 8 i n \theta$ $f = h(x, \theta)$ $f = \hat{0} + \theta e$
	$f = lm, \bar{\theta} = \bar{I} \rightarrow P(\lambda) = N(\bar{\pi}, \bar{\pi}^2)$ $p(\bar{\theta}) = N(\bar{\theta}, \bar{\sigma}^2)$
	$2 \int P(\Phi) = N[\overline{\theta}, \overline{\sigma}_{2}^{2}]$
	This function is written as:
	t= h(s)
	$\Rightarrow \begin{array}{ c c c c c c c c c c c c c c c c c c c$
	(i) Mean & voucionce of t:
	the production of the visit is to make it
	$M = \hat{x} = E x = E(x) $
	G L E CY)
	+ 10
	$M = E(3 \cos \theta) = E(3) \times E(\cos \theta)$ $E(3 \times E(3 \cos \theta)) = E(3) \times E(3 \cos \theta)$
	The Torse
	n e-3 sint
	= [Mx]
	Ly Ly
	Substitute $\bar{\eta} = 1, \bar{\vartheta} = X$
	$\mathcal{L} = \begin{bmatrix} 0 \\ \ell - \frac{63}{3} \ell \end{bmatrix}$
-	

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Saath Covorionce = E[(fu)(f=u)T $\theta - \widehat{\theta}$ HT Dring 512 O -Isino 600 Jin 7 Icasa Substituting values 502