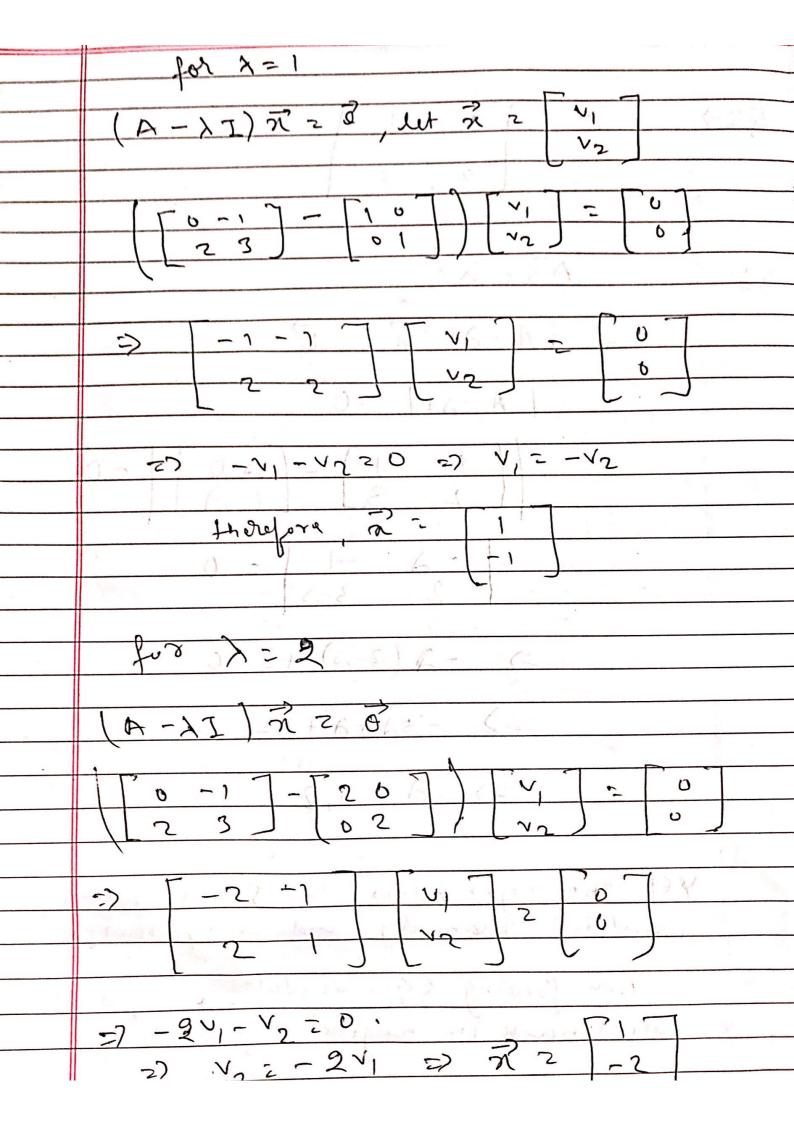
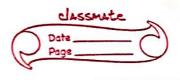
	ML- QUIZI AKARSH GUPTA, 800969888 classmate Page Page
Q3~>	$A = \begin{bmatrix} 0 & -1 \\ 2 & 3 \end{bmatrix}$
god.	AZ= XX
	$(A - \lambda I) \mathcal{R} = \overrightarrow{\mathcal{B}}$
	$A - \lambda I = 0$
	1 0 -17 - (2071-D
	2 3 6 A
	-3 -1=0
	2 3-2
	$\Rightarrow -2(3-2)+2=0$
	$= -32 + 3^2 + 2 = 0$
	=) $\lambda = 1,2$





given 5= { V1, V2 ... vn } is an orthogramal basis of Ry. i- any rector v = E c;v; for some constants Ci iz 1, 2, ... n. for some velote. V Z C, V, + C2 V2 + - ... C; N; Vi en both Sides. M V; = C; Vj. V; C; = U.V;