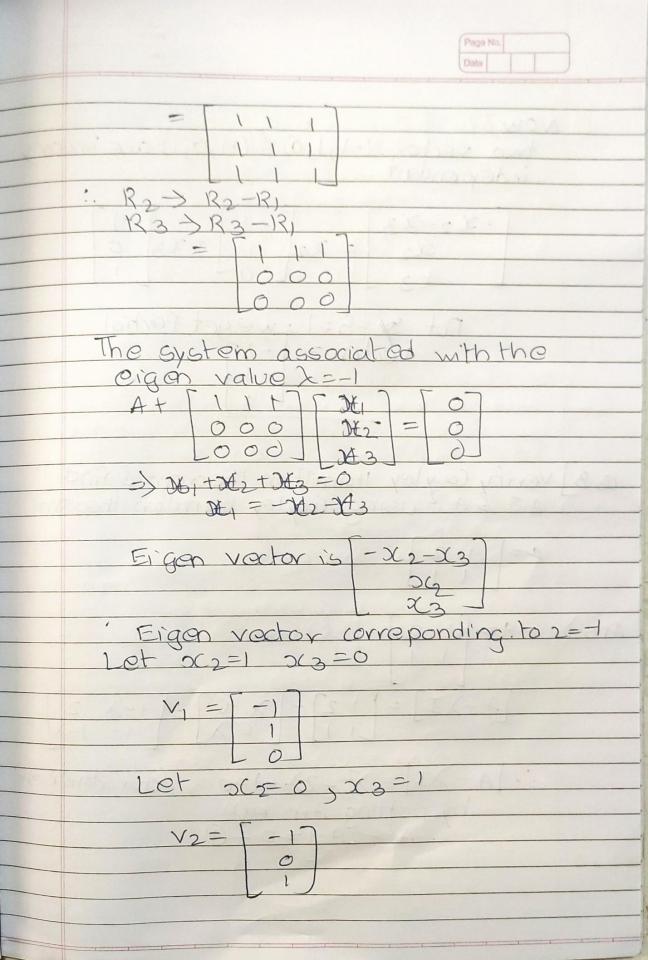
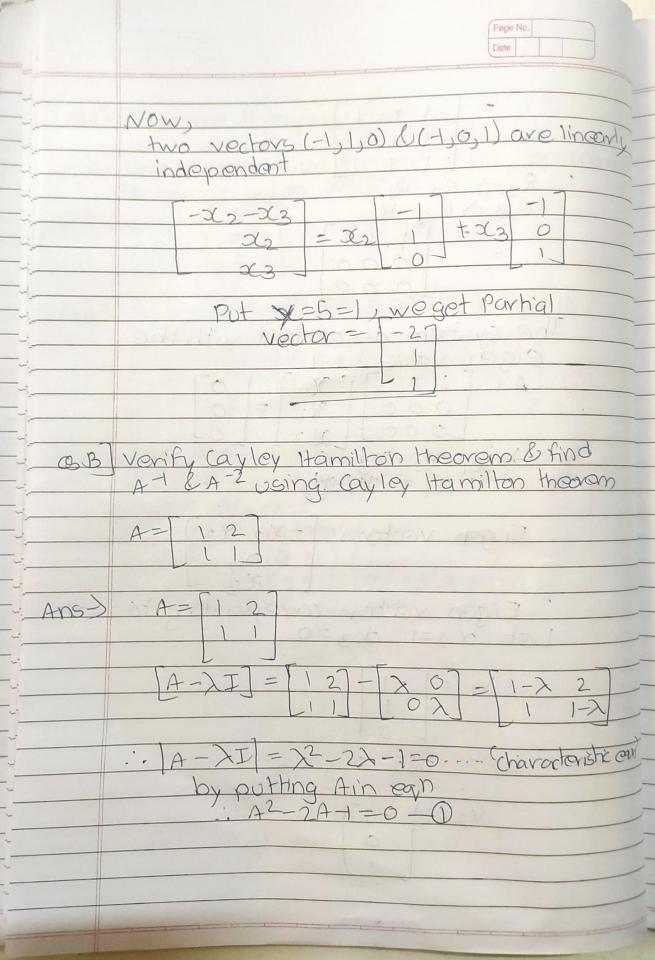
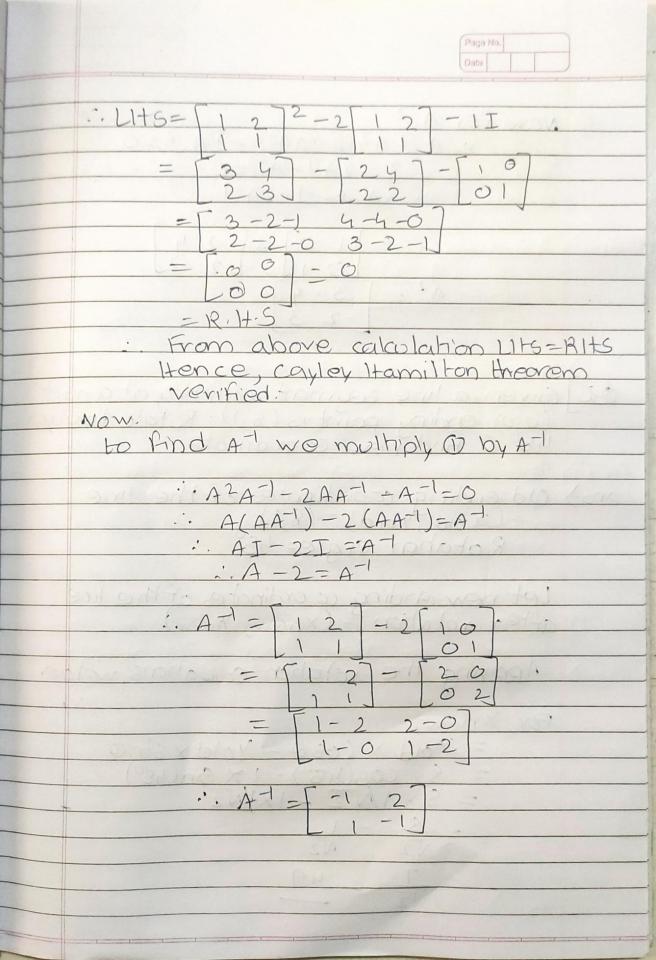
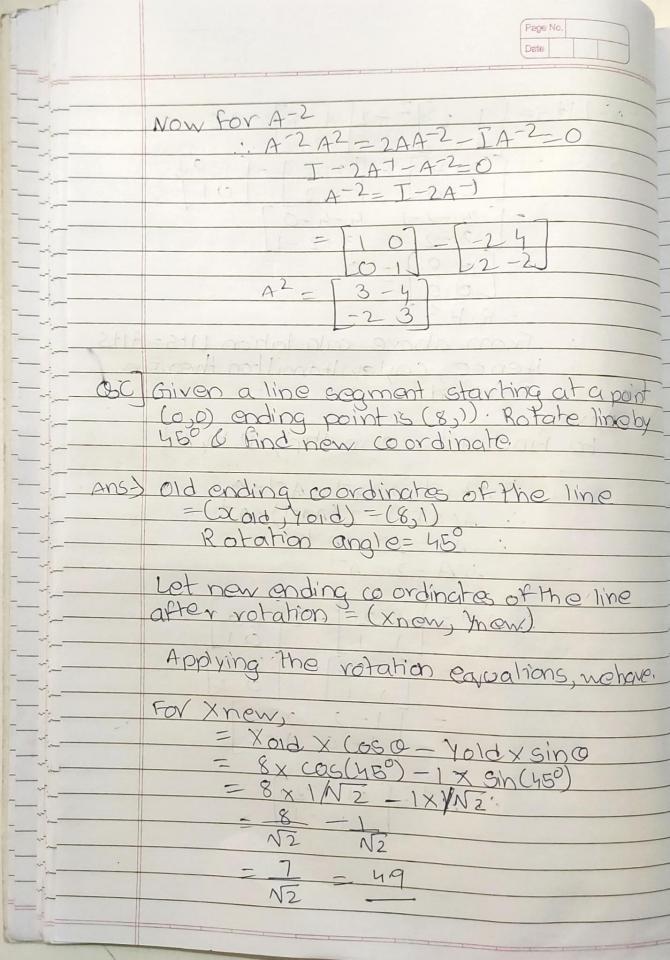
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	Subject Name-LADC Name-Shrærang. Mhatre
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(31) solve the following
SA) Find eigen value le eigen vector corresponding to lowest eigen value.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
A  = 0 - (1)   1   1   1   0   -2
$\frac{1}{12} \frac{1}{12} \frac$
Eigen vectors for $\lambda = -1$
$A - \lambda I = 0 11                               $









Page No. For Inew, = Xoid x coso + Yold x Sina = 8 x (05 (45°) + 1 x Sin (45°) = 8x1/N2+1×1/N2 - 8/N2+1/NZ = 9/1/2 - 16/00 Thus, New ending coordinates of the line after rotation = 4.3,6.3 02) Fill in the blanks -A) The given characteristic equation 1523-7237 162 -12=0. The algebraic multiplicity of each eigen value is & eigen value of A-2 is -Ars) Eigen values are - 2=3,2 Algebric multiplicity = 1 Al = 6 Eigen values of A-2 ave & 81

