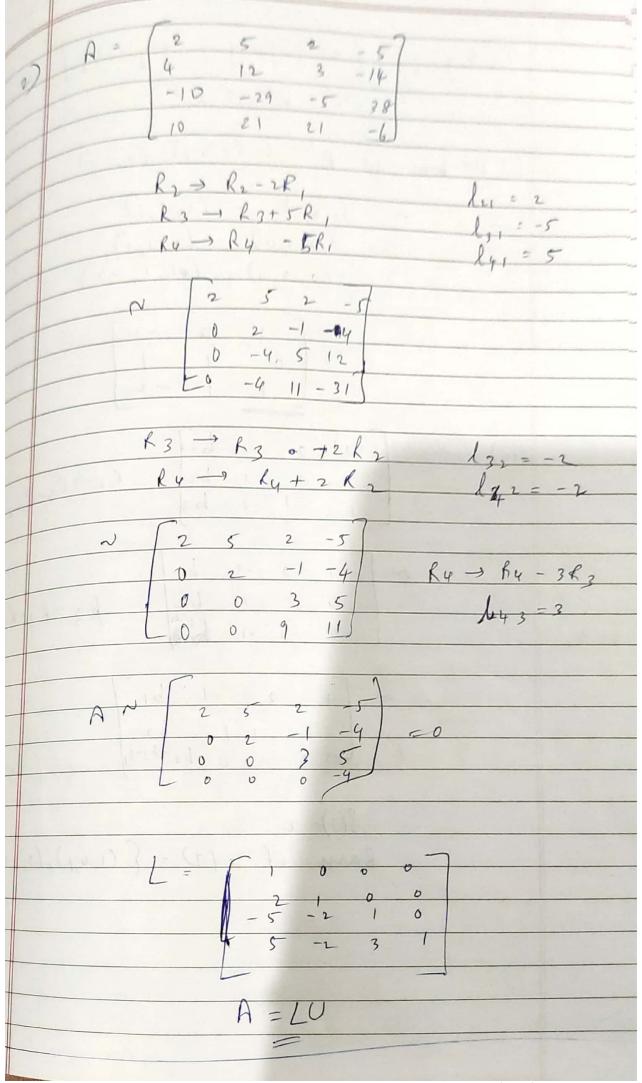
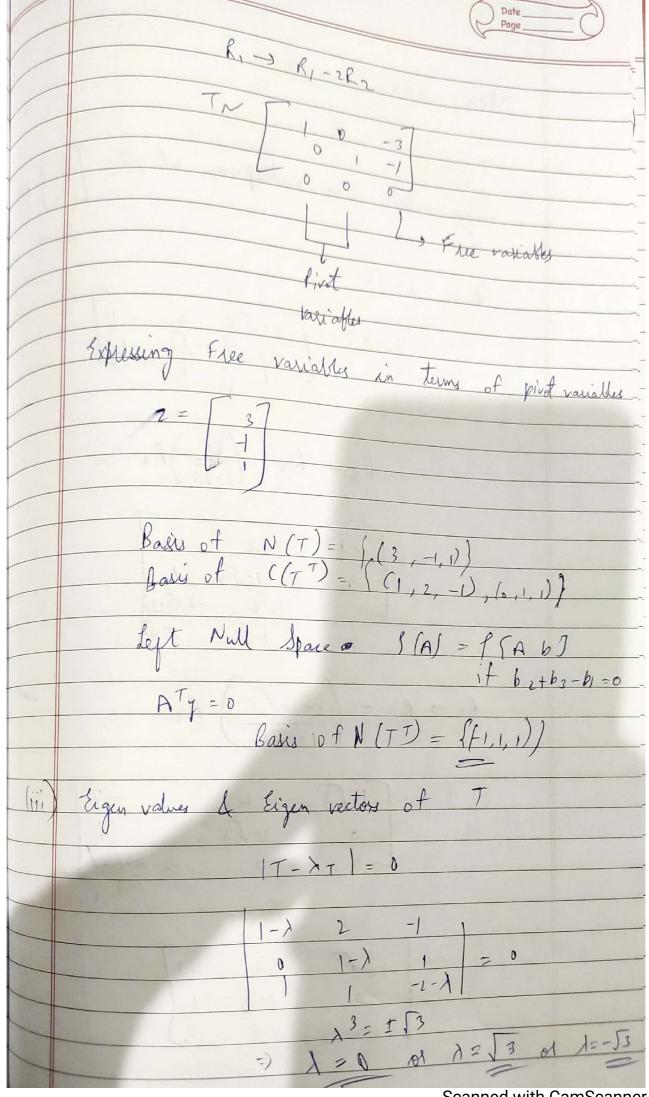
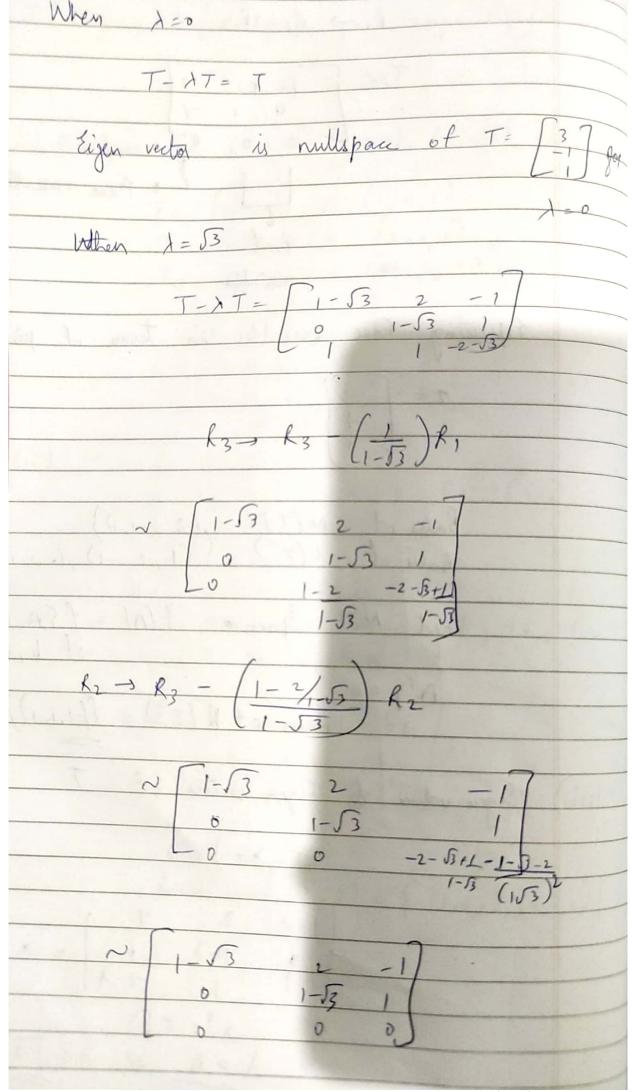
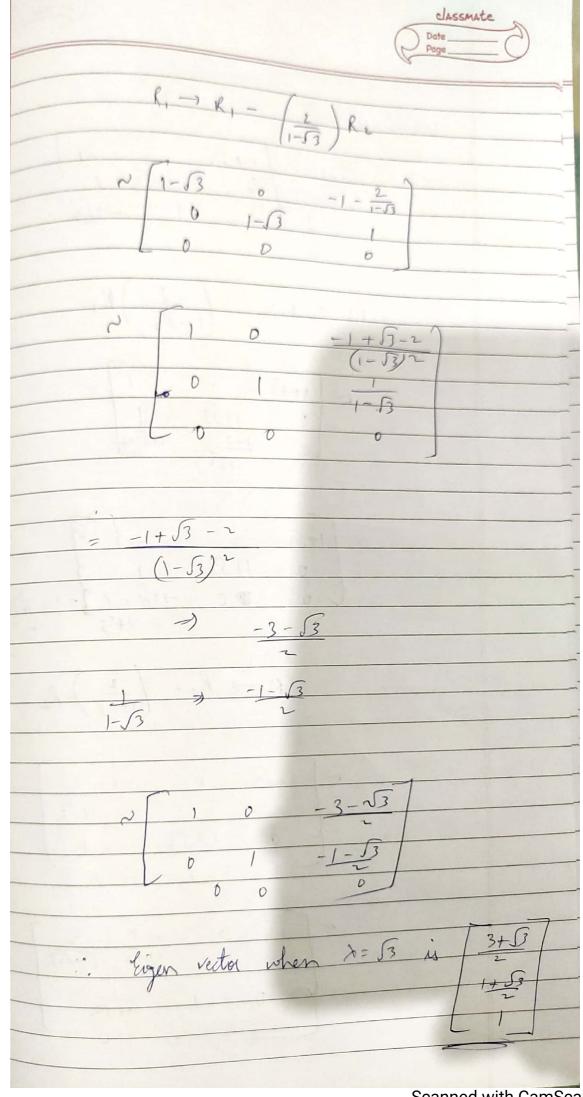
| | classmate |
|---|---|
| | Date Page |
| | LINEAR ALGEBRA |
| | |
| | UEI8MA 251 Jayant Sipani PESIZO 1800 173 ASSIGNMENT - © CSE, 4th SEMS |
| | ASSIGNMENT - 6 CSE, 4th SEM & |
| | |
| 9 | y=A+Bx+(x) |
| | 1 = A+B+C -1 = A+2B+4C |
| | 1 = A+3B+9C |
| | |
| | Ax = b |
| | 7 |
| | B = -1 |
| | 3 9 [[] |
| | |
| | |
| | [Ab] = 1 1 1 1 1 1 1 1 1 |
| | 3 9 1 |
| | |
| 4 | $R_2 \rightarrow R_2 - R_1$ |
| | $k_3 \rightarrow k_3 - k_1$ |
| - | |
| * | 0 1 3 -2 R2 - 2R. |
| | 0280 |
| | |
| | |
| , | |
| | 0 / 3 -2 |
| | |
| | => C=2 \ \begin{array}{c} = -8 \ \end{array} |
| | [. 29n. of Parabola = 22-82+7] A=7 |
| | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |

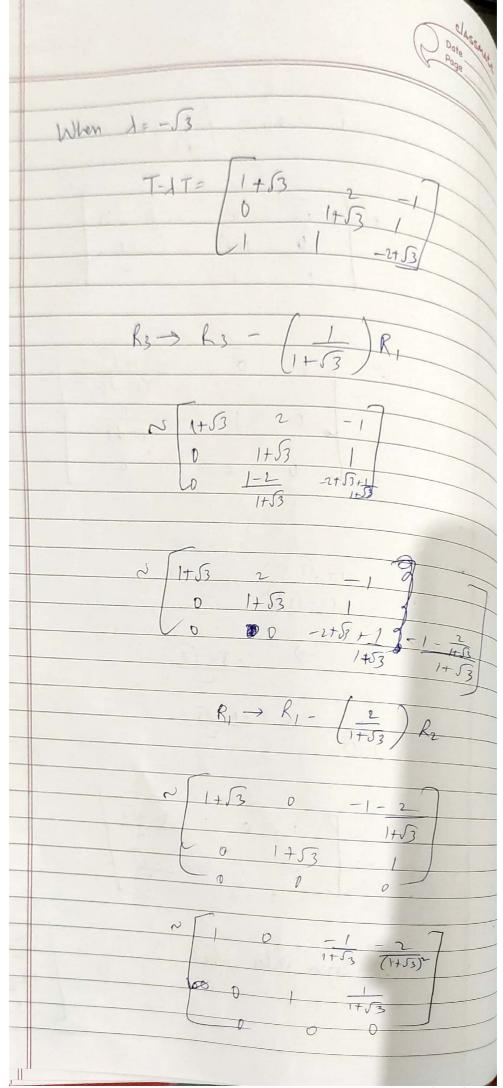


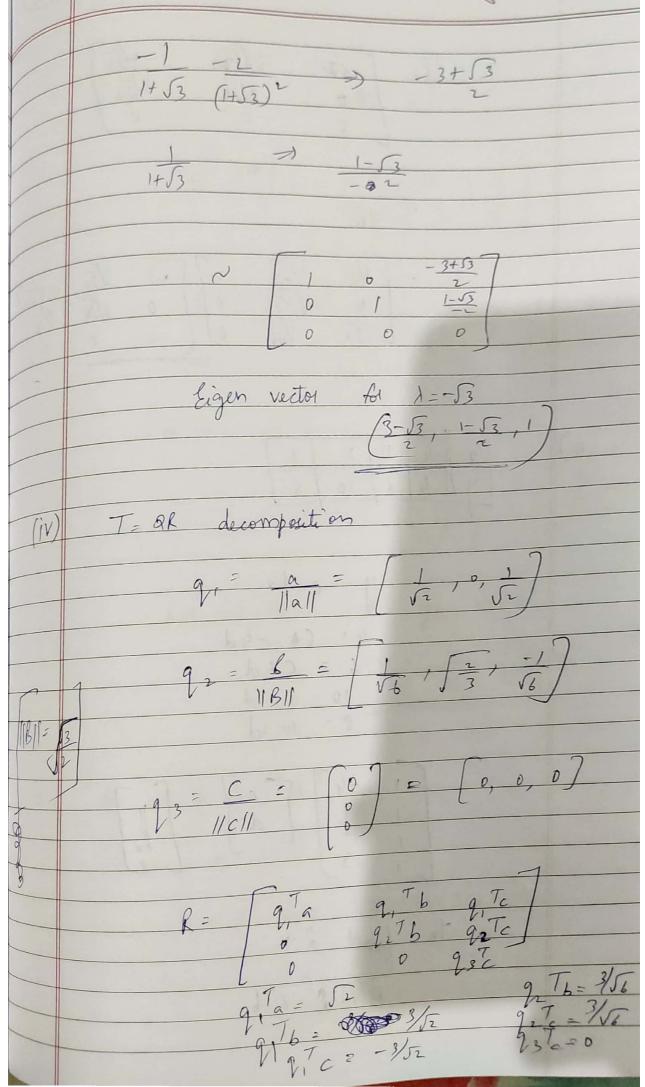
| 3) | T(2,4,8) = [x+2y-3, y-3, x+y-28] |
|----|---|
| | $T: \mathbb{R}^3 \to \mathbb{R}^3$ |
| | (i) Std. basis for R3 - { (1,0,0), (0,1,0), (0,0,1)} |
| | T = (1,0,0) = (1,0,1) $T = (0,1,0) = (2,1,1)$ |
| | T = (0, 1, 0) = (2, 1, 1) $T = (0, 0, 1) = (01, 1, -2)$ |
| | |
| | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| | $S(T)=2$ Basis of $C(T)=\{(1,0,1),(2,1,1)\}$ |
| | |
| | |
| | Scanned with CamScanner |

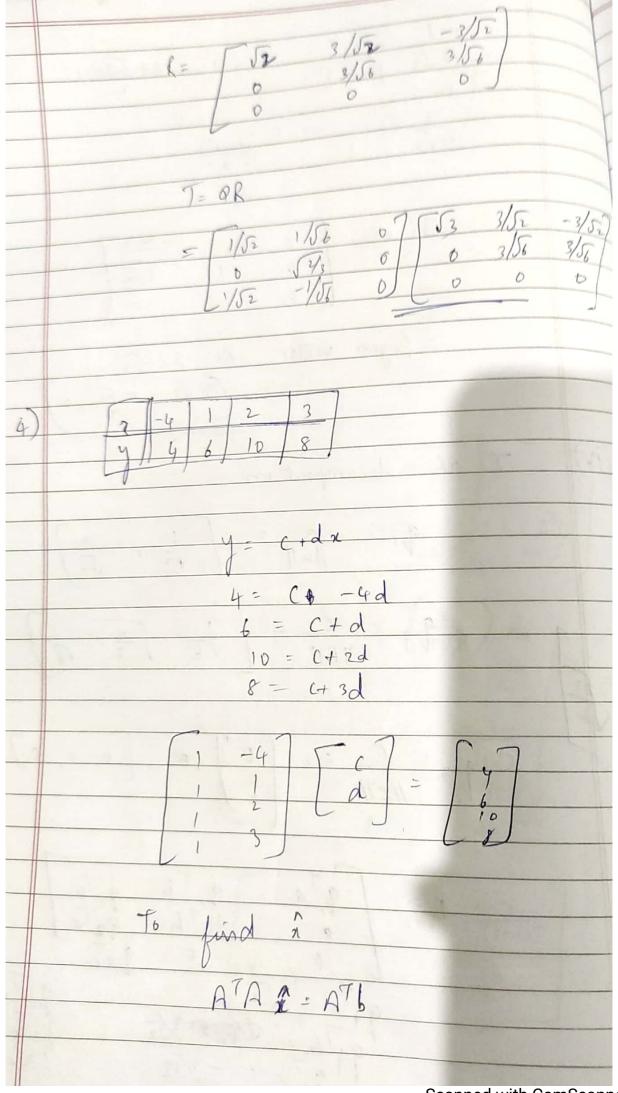


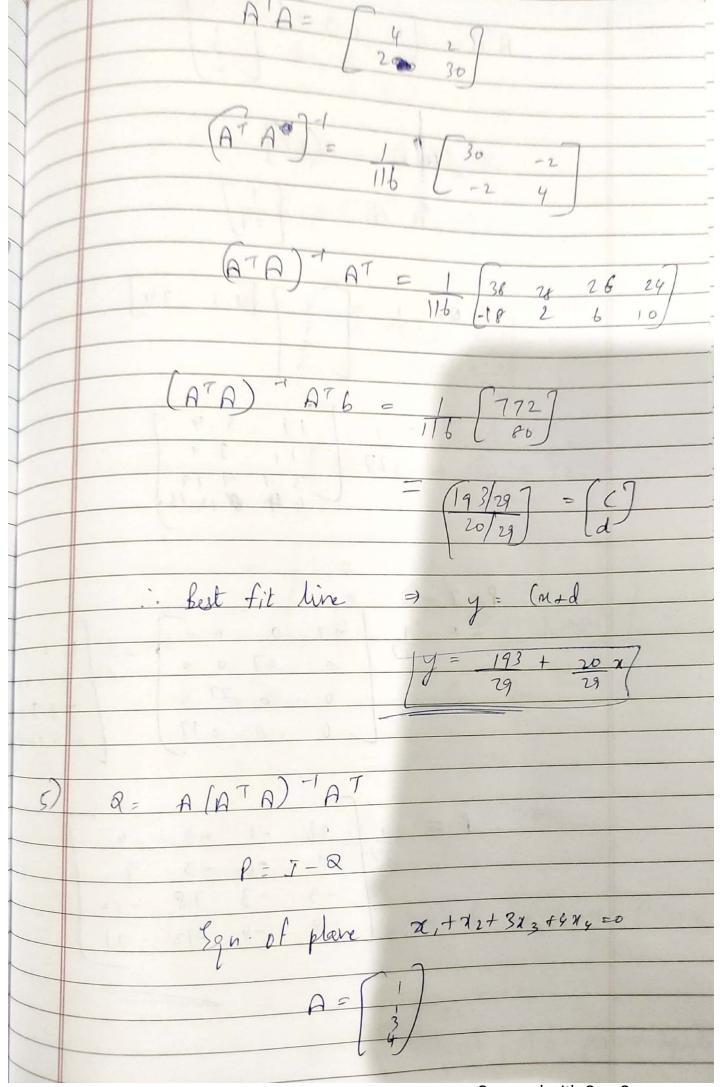


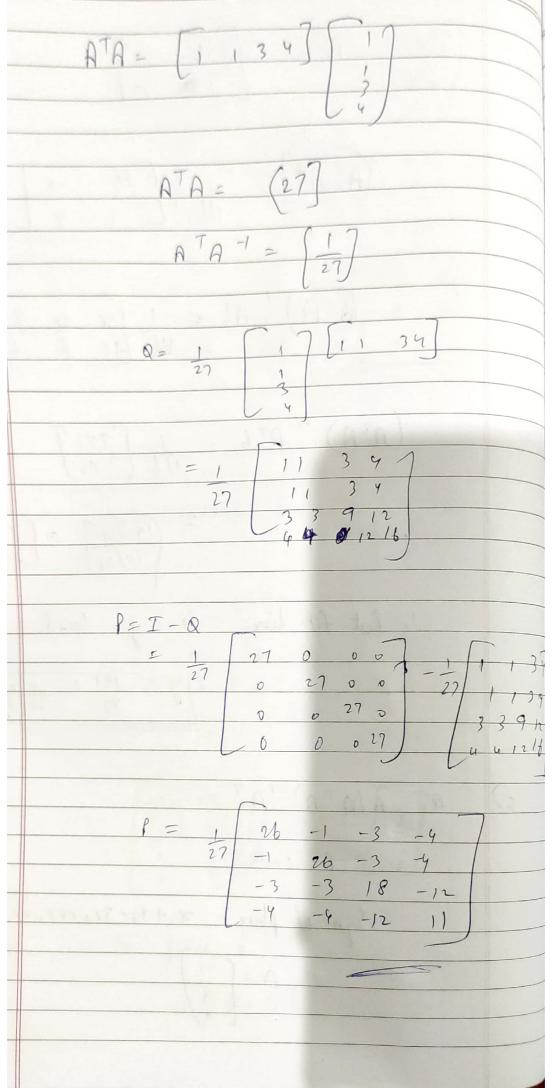


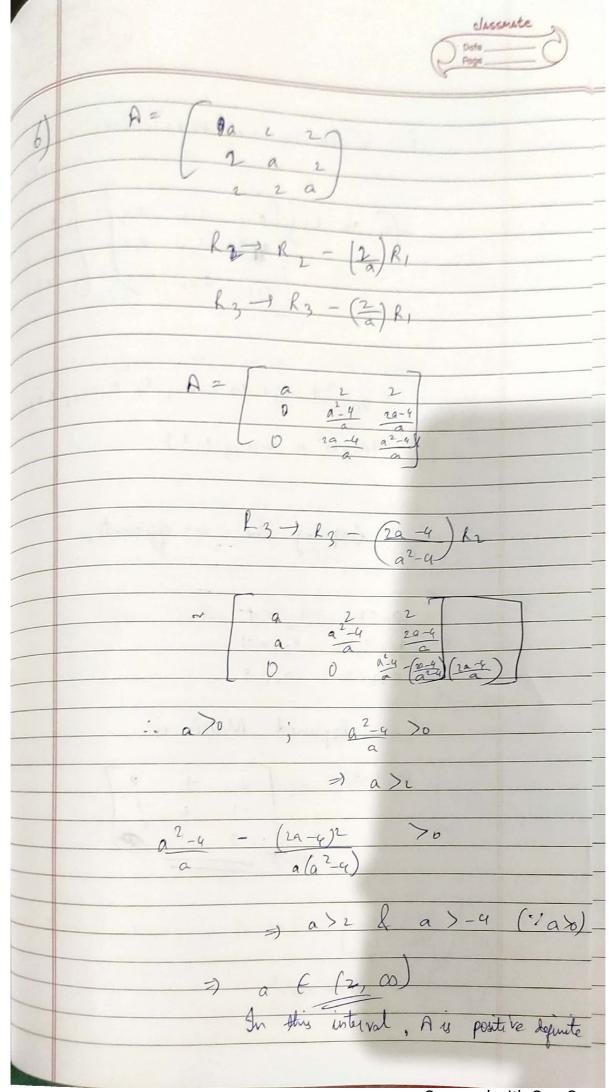


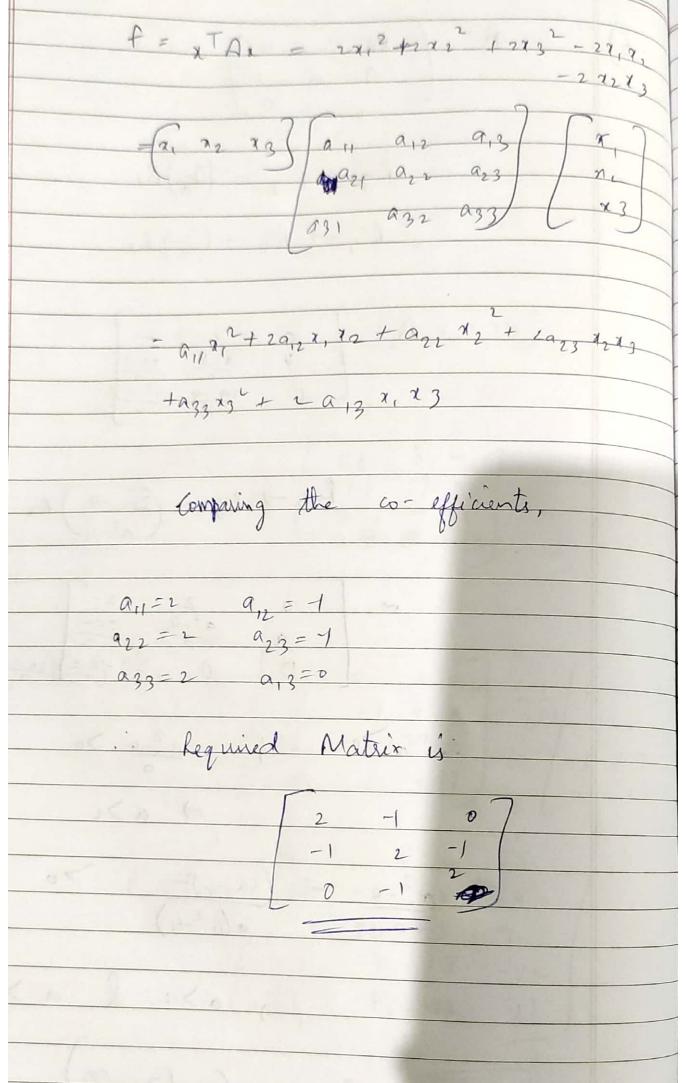












| G. Park |
|---|
| D P= [-3 17 |
| 1 6 -2 |
| 6 - 2 |
| |
| ATA = \[\begin{align*} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| -27 9 |
| |
| To find Eign values IATA - AIT = 1 |
| 1 8 - 1 - 1 7 1 |
| 90 1 -27 -0 -27 9-) =0 |
| |
| λ ² -901=0 |
| $\lambda = 0$ of $\lambda = 90$ |
| 7=90 |
| Eign Verter , for 2 =0 9, -27 - |
| [-27 9] |
| $\begin{bmatrix} a_1 & -277 \end{bmatrix}$ |
| 8 |
| |
| Eigen vector is [] |
| |
| F1 \=90 |
| for 1=90 |
| [2 -27] |
| $A - 90 \int = \begin{bmatrix} -9 & -27 \\ -21 & -81 \end{bmatrix}$ |
| Eigh vector is [3] |
| Jight room 1 3/ |
| Scanned with CamScanne |

