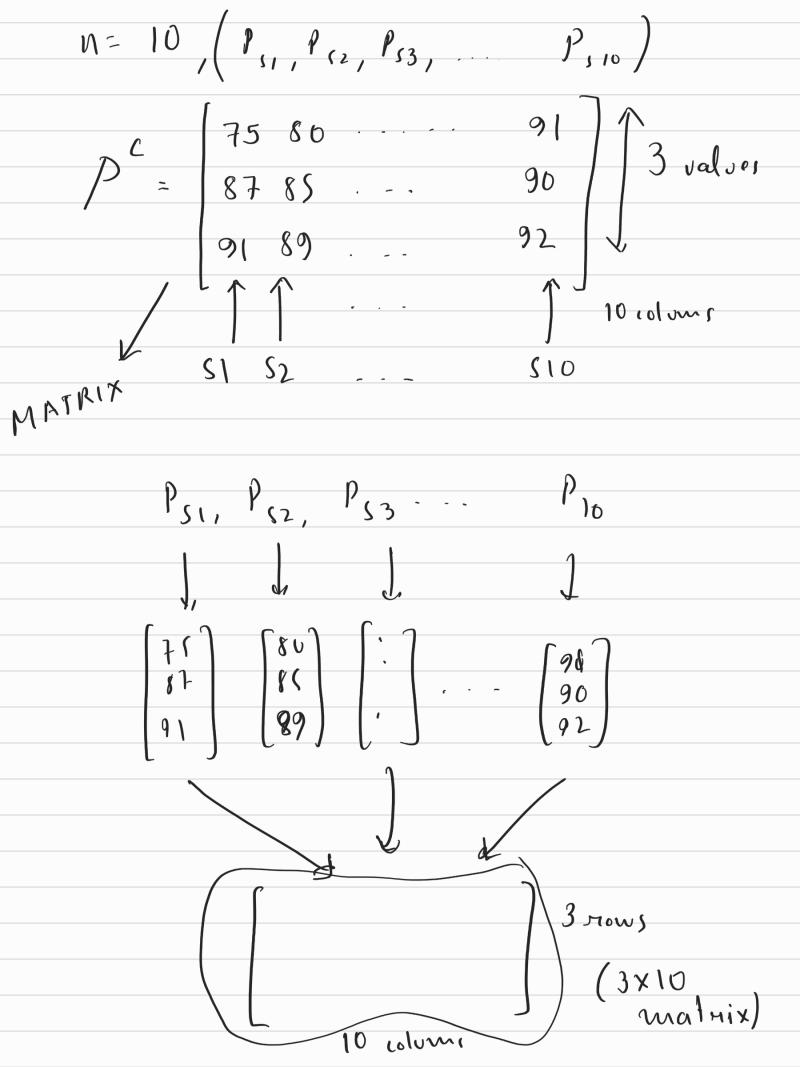
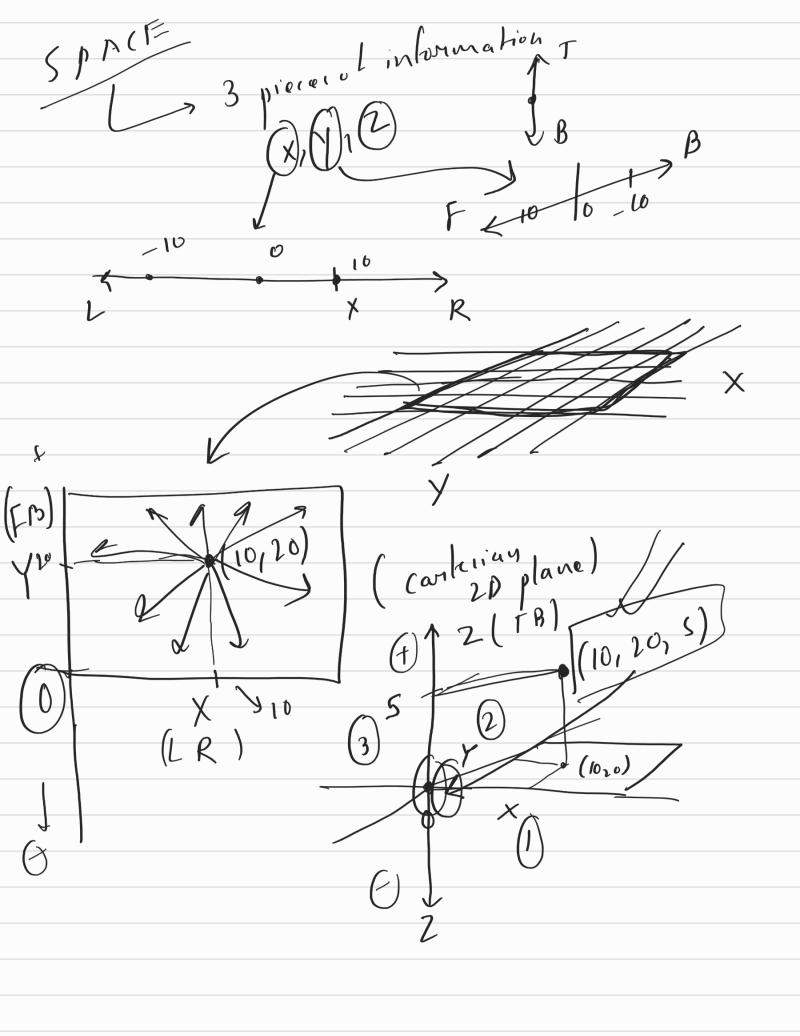
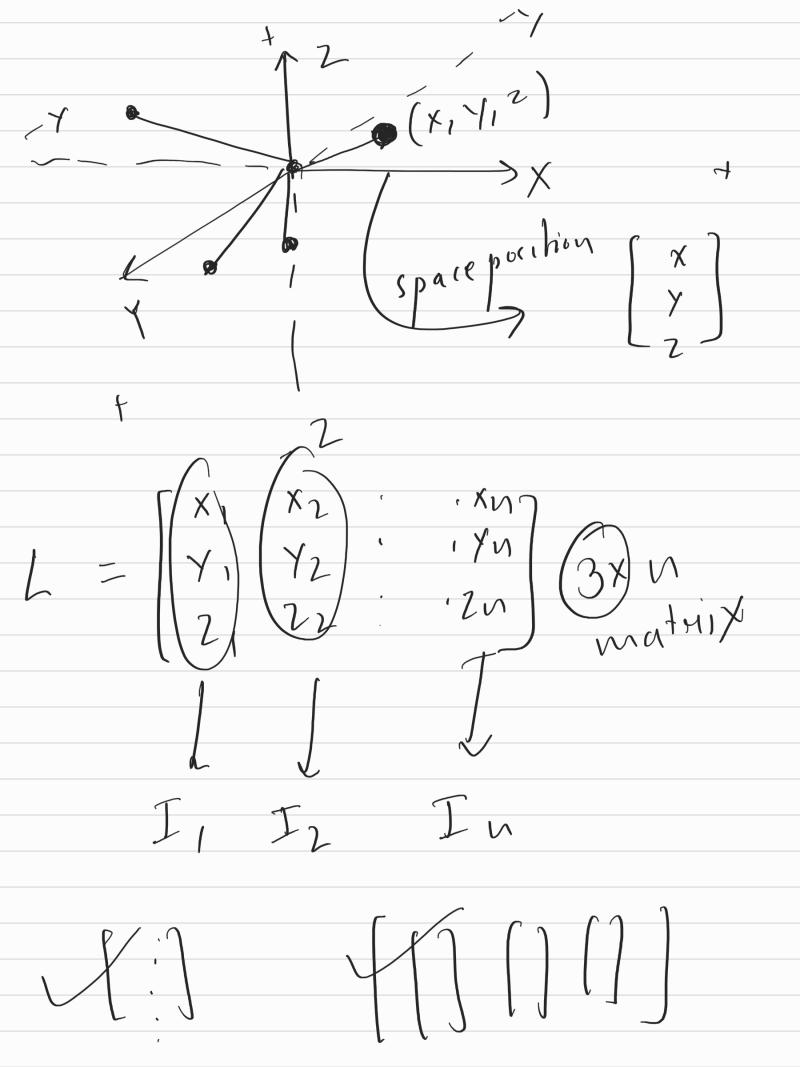
## Vectors and Vector Spaces







Vectums Malnices  $\begin{bmatrix}
 10 \\
 9
 \end{bmatrix}
 \begin{bmatrix}
 7 \\
 6
 \end{bmatrix}
 =
 \begin{bmatrix}
 10 - 7 = 3 \\
 9 - 6 = 3
 \end{bmatrix}
 =
 \begin{bmatrix}
 3 \\
 3
 \end{bmatrix}$  $\begin{bmatrix} 2 \\ 3 \end{bmatrix} \times \begin{bmatrix} 4 \\ 5 \end{bmatrix} (3 \times 1) \begin{bmatrix} 2 \\ 3 \end{bmatrix} \times \begin{bmatrix} 4 \\ 5 \end{bmatrix} (3 \times 1)$ (3 x(1)) 2 VI being CONFORMABLE [456] matrix/ 81012 (N)

