Types of watrix transferrations 0 O Gocial types of nature that does
Sunde things (combine above)

Types of motive that does
Complicated things Lots us a matrix how das not change onything: $\begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \end{bmatrix} \begin{bmatrix} x & y & 0 \\ y & y & 0 \end{bmatrix} = \begin{bmatrix} x & y & 0 \\ y & y & 0 \end{bmatrix}$ Boxis vector of space, then multiply it by (x,y) vector, it will not Chage vector (x,y) [of to]

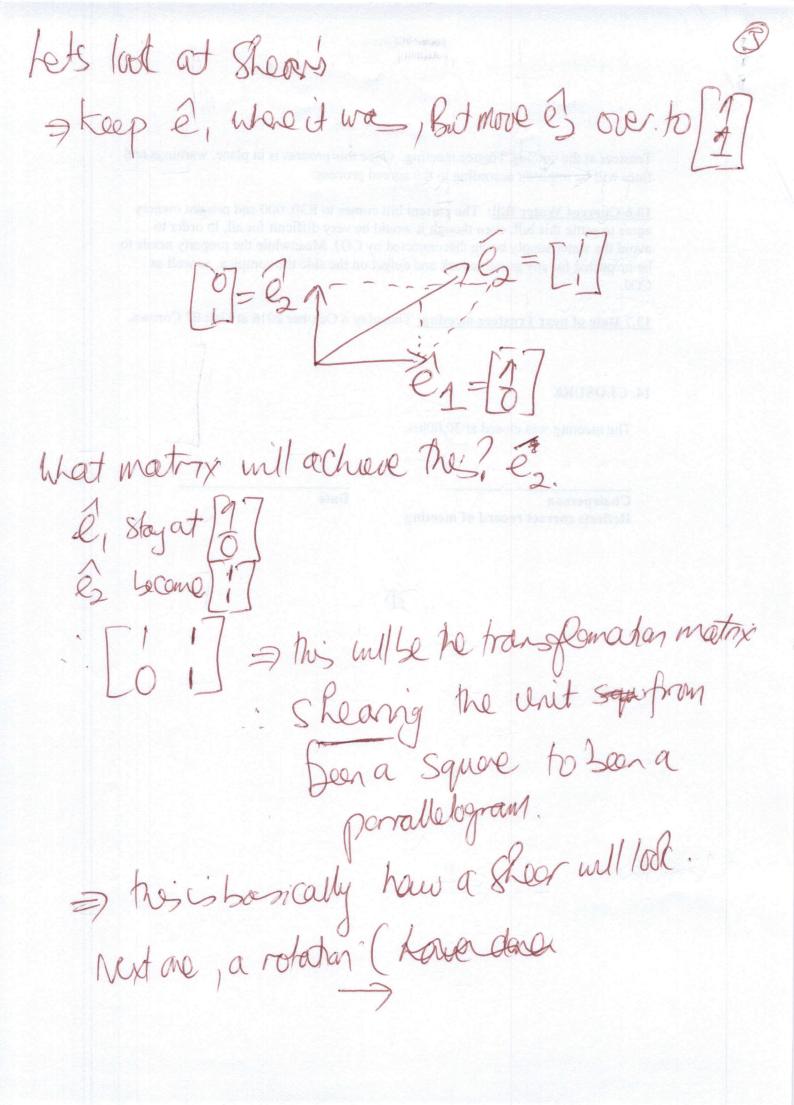
'Compared of Bosinectons, and it down not charge trom.

to herefore Called the I donting motors

- matrix that does nothing, and leaves
everything preserved. But what of I have depend number along
the leading diagonal eg (not 1 anymore,)
But keep o's 30 it will scale the unit vectors by Certain flactors [Las 3 or] [Las 2] [2] PX
[0] Px
[1] Px
[1] Px
[1] Px
[1] Px
[2] Px
[2] Px
[2] Px
[2] Px
[2] Px
[3]
[0] Px
[0] P of it wondrochen of the the would schotch sme 131

what if scale the unid vector by, -ve number. F [-1 0] LO 2] F27 [27/---[-17] [o] So original cule is pluped over, and become rectangle. But what does it mean. policeoly 2 naw 2 Thonge "sense" & the Coordinate System.
Wen flipping it over. and what does following matrix produce. Called inversion flips Both Comes

(A) like mirror ps hom around Munor. tralmiror



26 Pe, Col got rotation [O - 17 Transforation] end, Con inte dans a rotation Egord Eggressen for Balan application: Stretch faces transform faces glar facial recognision. => merrs, show, rotation to get of all locking up, and not Some pluny ongle.

Rocop:

-> doesled all the possible Sont of Charges

we can do with a matrix [in vectorance]

-> Next: haw do we combre

2g robotion with Stretch =>.