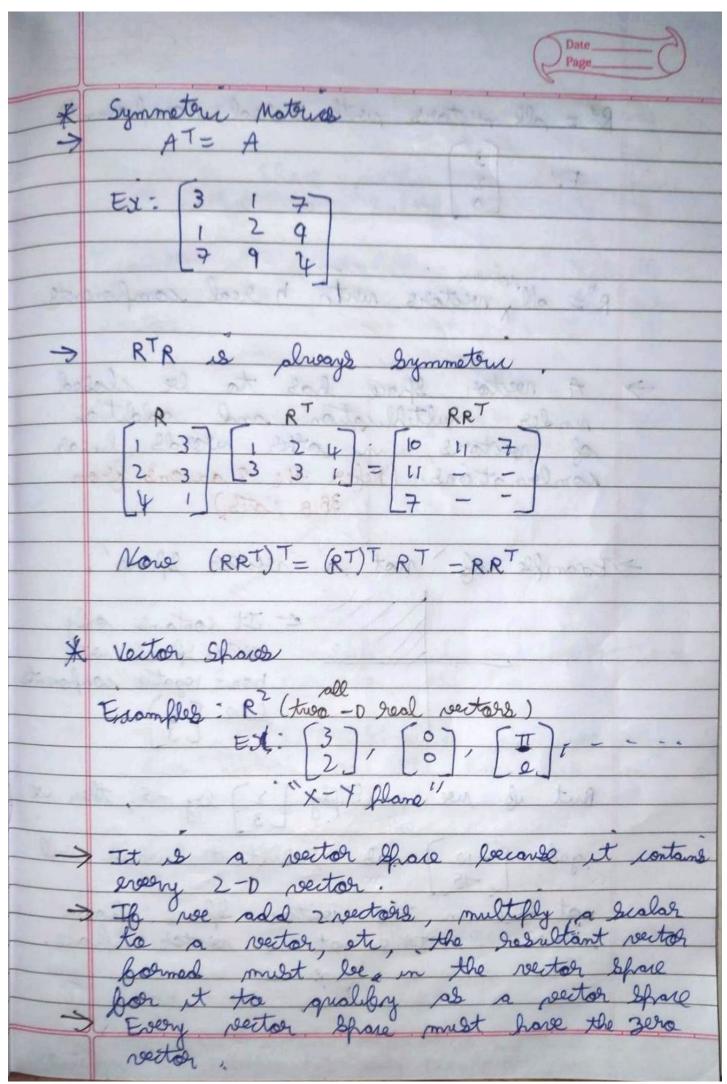
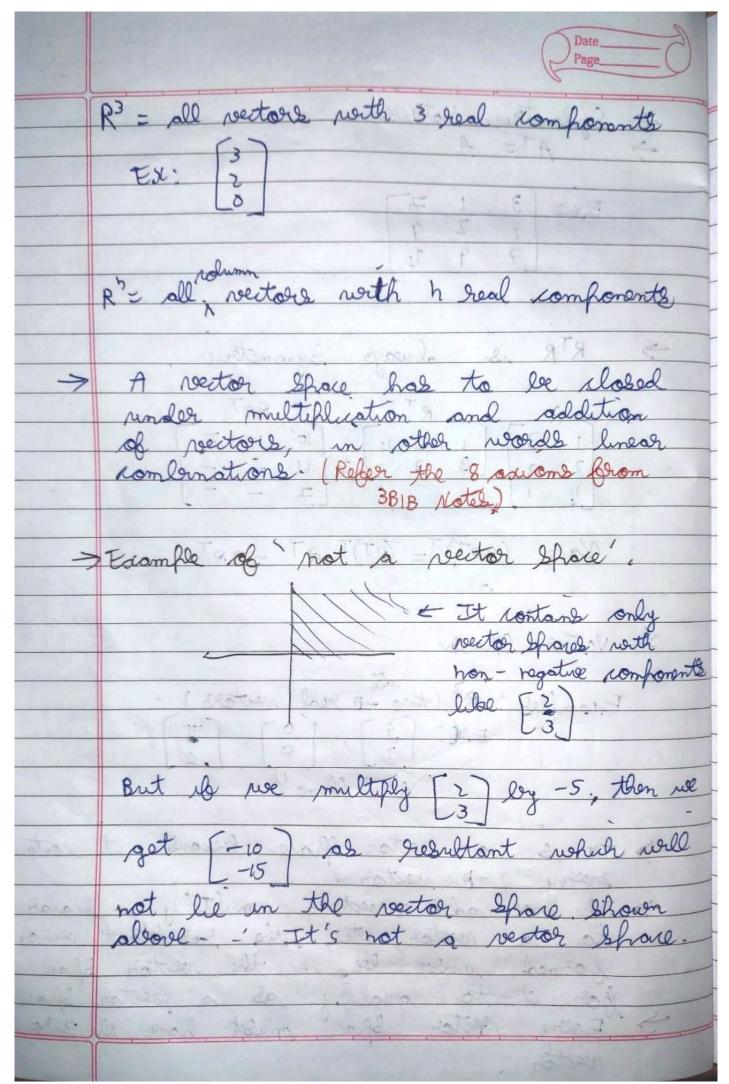
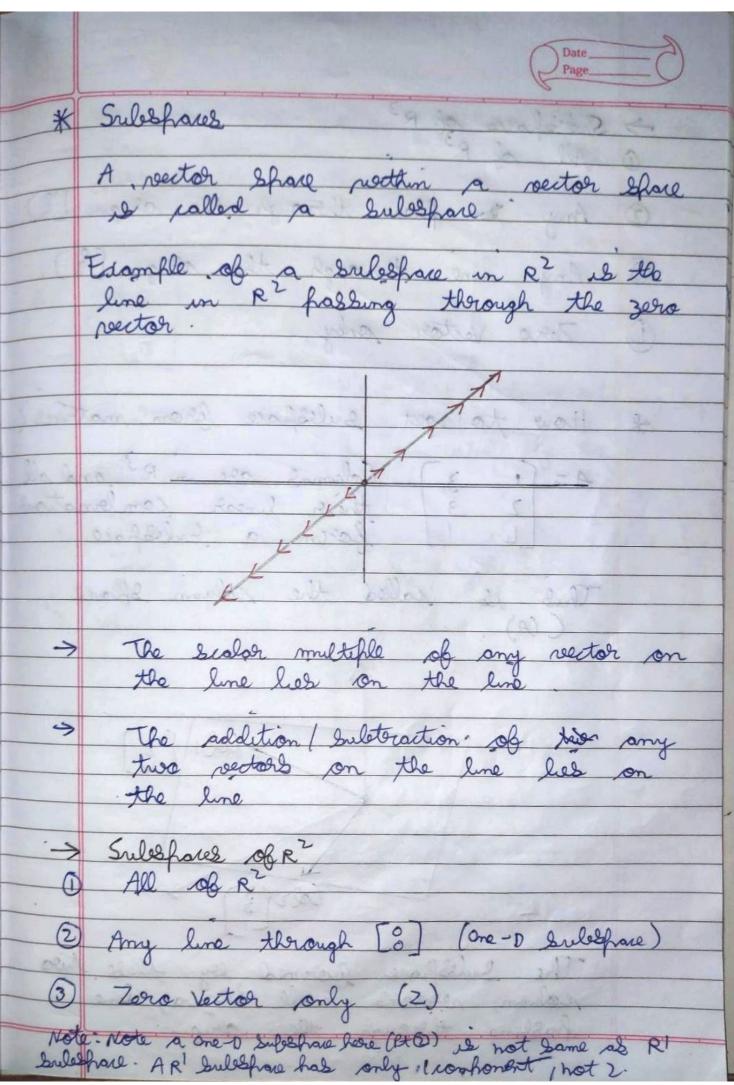
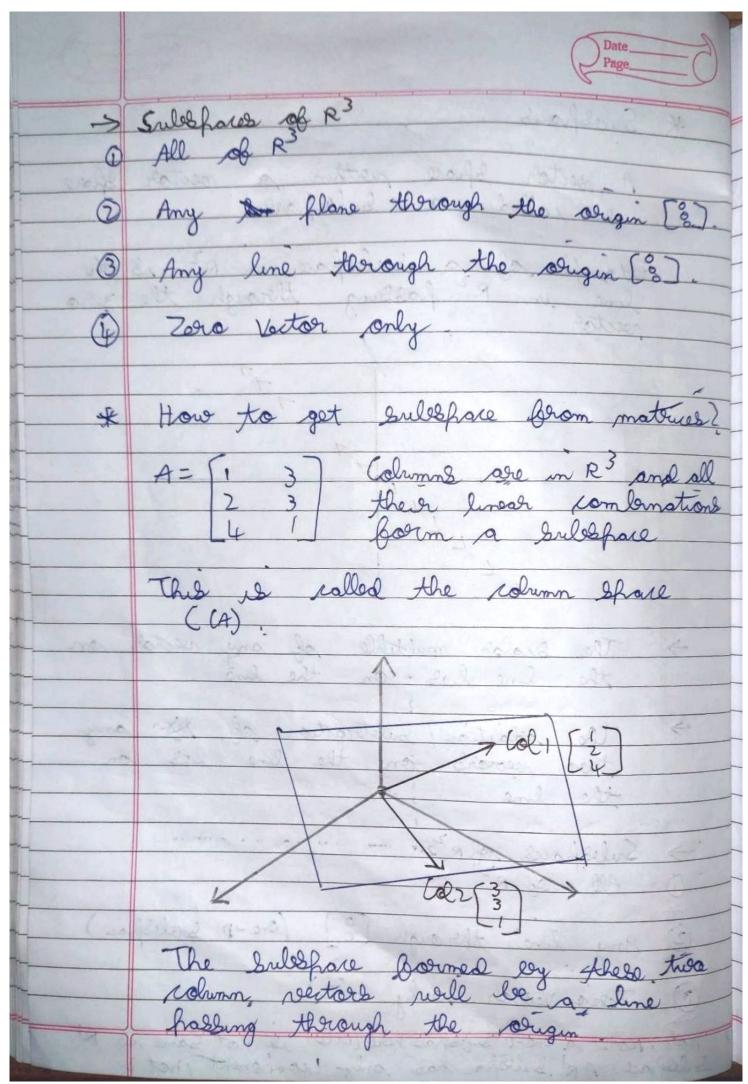
	brob Gilloert Sterang Lect 5  Date Page
7	Transposes, Resmutations, Spaces R14
	E 3 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3
*	240-07
->	PA=LU (Foer any involentiale A).
	The P (Permitation matery) is added to
	ensure that process in A won't beo,
	Land V trem out to be right.
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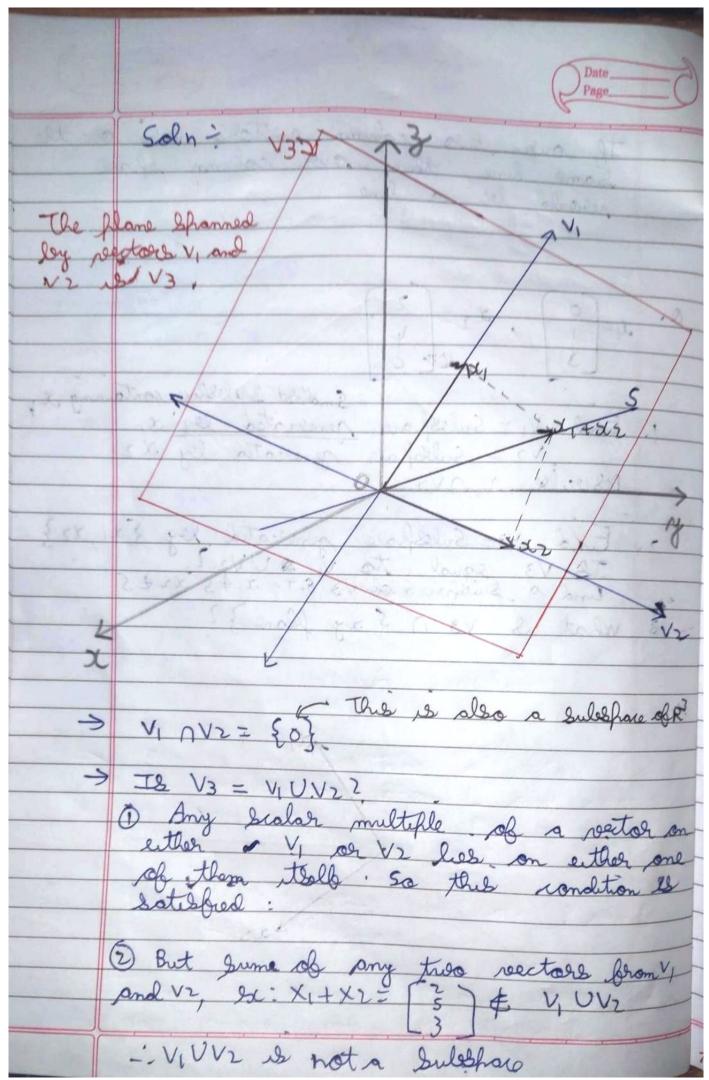
Same line, then our column spree on the 1. Eval Vi = Sulespare generated by x,

Vz = Sulespare generated by x,

Describe Vi AVz I Find V3 = Sulashare generated by {x1, x2}.

Ils V3 equal to V1 × VV2?

End a sulashare 5 ob V3 5.7. x145 x245 what is V3 n { ay plane }?



Not here 5 is not rangue. We can have  $2\times 1 + 2\times 2$  line which lieb within \$V3 and X, and Xz, both don't be that been line { x-y flore} = Elle lyne that 8 x2) i-e. V2 Voctor with A, \$0, Az to of linearly indefendent column Dimension where h = No of In columnst lout it's (Space or share is the mysleer of components the rector (Eg: i+2 j+3k Here R Share Whereas Dimension = h-92 (where h = Number of unbanowand and It = Number of hon- zono hours) OR Rumension = Number of LI robumns or Dimension - Number of leasing pectors borra given vector share, the dimension will always remain some since ho do leasing performs some some