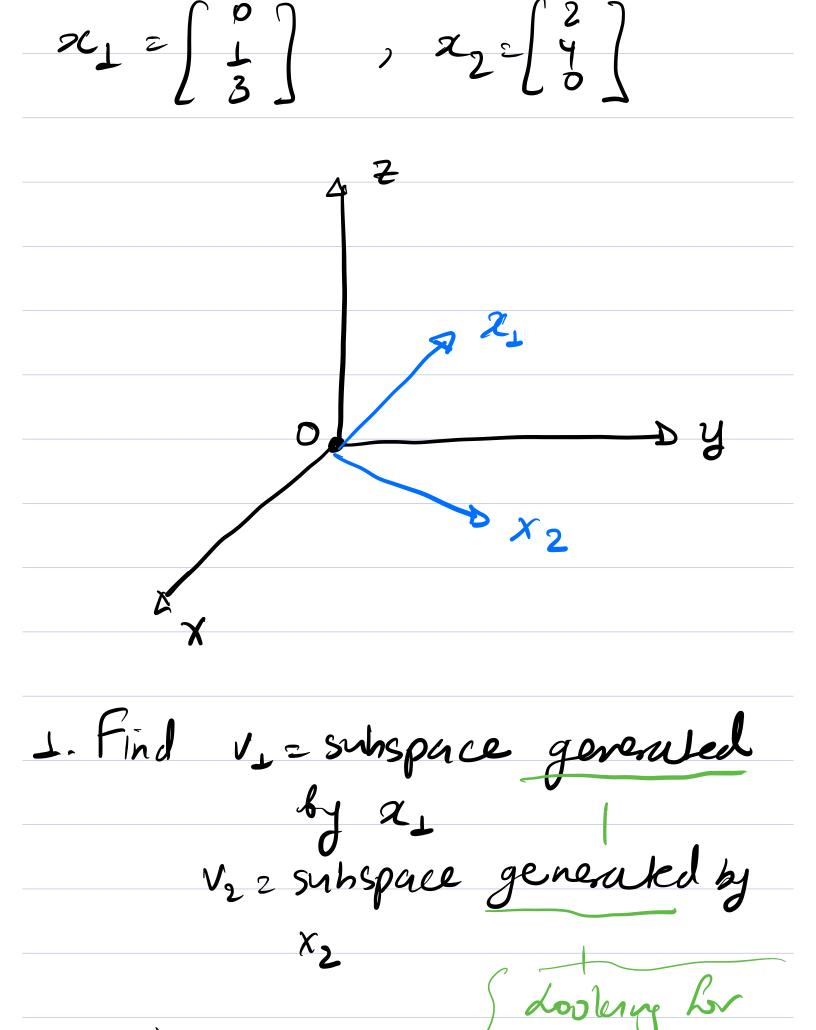
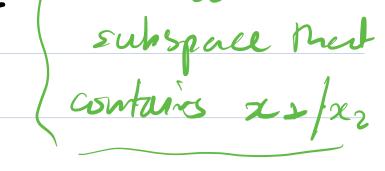
Chineer space & Linear subspace)
Problem:
Remindes:
Conditions of a set to belong to linear space?
D'You take the sum of any 2
elevents hom that set - » needs to be still in the same set
D'Any multiple of any clevert from the set -D still needs to be
is he same set



Describe V, a.V. he smallest



2. Find $v_3 = subspace generaled$ by $\{x_1, x_2\}$

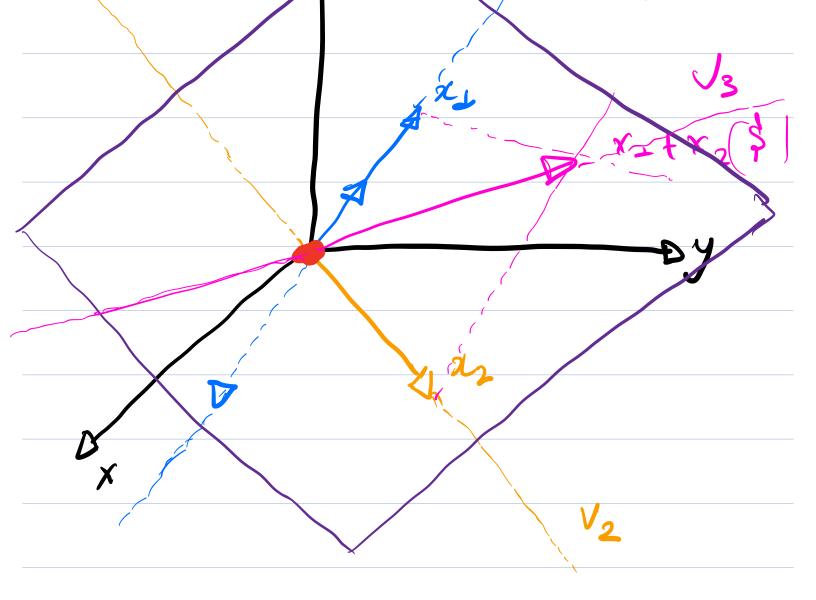
Is V_3 equal to $V_1 UV_2$?

Find a subspace S of V_3 s.t. $\chi_1 \notin S'$, $\chi_2 \notin S$

3. What is V3 Of x-y plane ?!

Solution

both conditions
1. 11



$$2.$$

$$2_{1}+22_{2}=\begin{bmatrix}2\\5\\3\end{bmatrix}+V_{1}UV_{2}$$

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