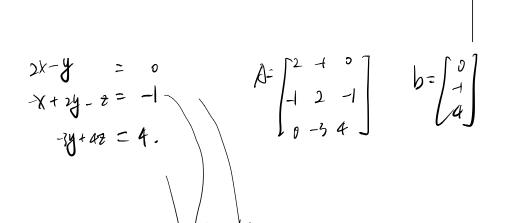
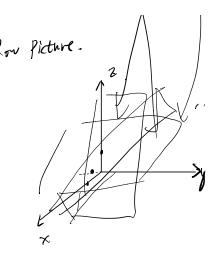


$$\chi[\frac{2}{4}] + y[\frac{1}{2}] = [\frac{9}{3}]$$
.
linear combination of columns



Colvimn Picture.



Column Picture.

$$x\begin{bmatrix} 2\\1\\1\\2\\3\end{bmatrix} + y\begin{bmatrix} 1\\2\\4\end{bmatrix} = \begin{bmatrix} 0\\4\\4\end{bmatrix}$$

$$x=0, y=0, z=1$$

$$x=0$$

Do the linear combs of the columns fill 3-0 space? For this A, answer 15 YES.