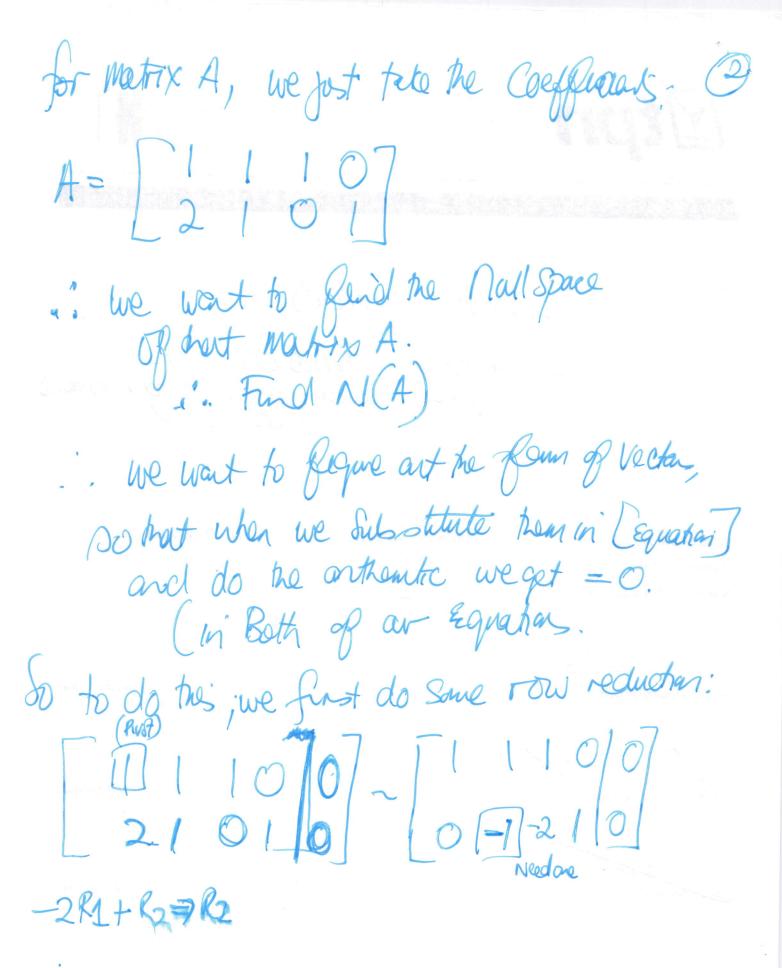
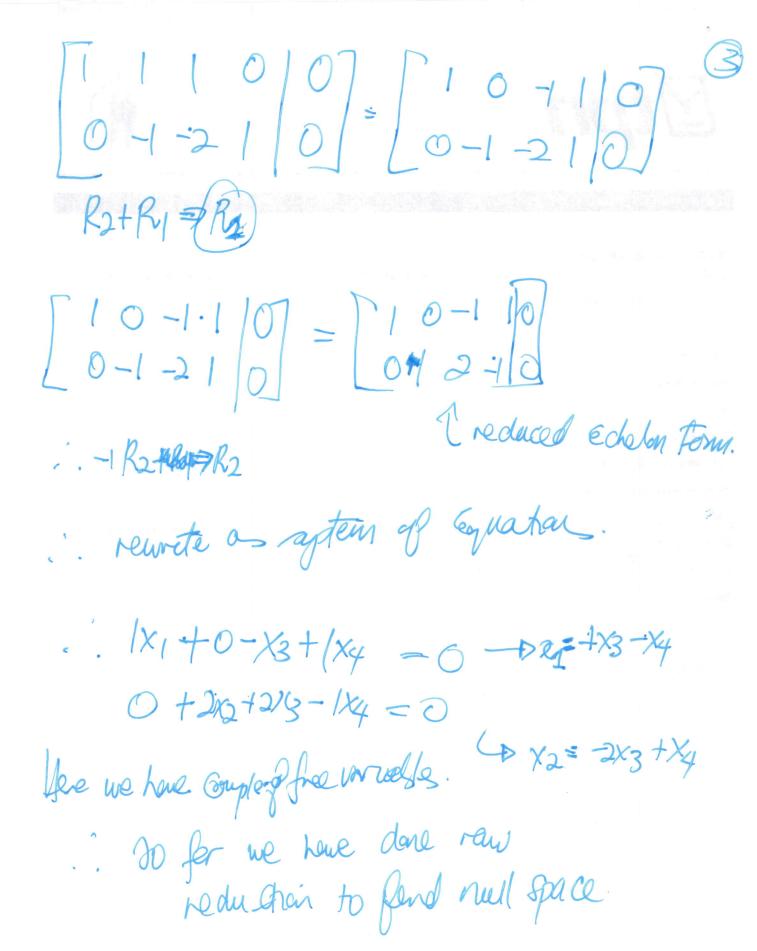
Addyma! (Putging) Nall Space: Let A be an Mxn matrix The null space is no set of solutions to be homogenous system Ax=0 another way of saying the : set vectors N(A) = ER: Ax=0 6 Cs rest null space of A Lots lost at quick example: $X_1 + X_2 + X_3 + O_{X_4} = 0$ $2x_{1} + x_{2} + 0x_{3} + x_{4} = 0$ Lets find he now space.







in now we have found the glam Westers that comprised the rull space.

$$\chi = \begin{bmatrix} \alpha - \beta \\ -2\alpha + \beta \\ \beta \end{bmatrix} \times_{\chi_{4}} \times_{\chi_{$$

we baid $X_3 = x$ $X_4 = \beta$ $X_4 = \beta$

$$-12 = -2x_3 + x_4$$

= $-2x_1 + x_4$

we con Break it up:
eg factor hex out! . Now you can pick a newsor glor of B A = 1, B = 11 -2- -+.1 -1 1 -2- -+.1 plag Backuto angul Equation X4=1 . . mutgit o

in Fintand Frol Eynakar. This is he idea of Null Space

This is he idea of Null Space

This is he idea of Null Space

The original system of Equation

The or

