For Gardaneuta Subspace (An Metrica) - we know if Column space of First 2 and space of fint space of fint spaces another 2 to Kallar Subspaces: The 4 Findamental C(A) N(A)Colum space Nell Space flow space Gall Combratas of rons. Grand spon the row space (zorach) , but all the vectors we death with has been Column Vectors. , havdo I get com vector out to Colum vecta

C (AT) reduces verns) (Called left

raw - What are the basis for those Spres (for each one spaces)?

- What systematic way (to flend it): Whates how demonsia? Amerson ig Colon spice à Dun space: pivot coluns: = ca) -postole

what is he dim of row space? Jalo C -> Chungano ad rawspace has samedin. Wet: din grallspece Dum N(A) = Special Southous: = M-r Grand Freezenalls? Bons = special Solutions (No free variables) - Re is one for confree voiable What is Anni Null space of AT" [GAMMISpace] Sun A(AT)=M-F forsell!

Bossfer New Spree. C(R) + C(A) ... defRevent Columnspace. But key have Same raw space. Wates Boxis for Orgnal A? whate Box for - Bos for rowspace for ACR is

Red rows & R R Not A 37

· Nectos i rouspoce (1011) and (0110) ", he ravepose & Setting in R. New west Bos for nulspace of AT. [Cost new Ispace] - Now want of to sit on left and want A indead At (transpose the Equation) YTATT = O > 0 lie dan newboxe, had to make it into raw vector .: How do we get a Bais?



Fraperty Specialists (Payr Liz - We Michago - We Rent - We John	WOWAA.
$A = \begin{bmatrix} 1 & 2 & 3 & 1 \\ 1 & 1 & 2 & 1 \\ 1 & 2 & 3 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 1 & 1 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix} \#$	
What weeders taken above	i.c
Wat whole matorx that took me from A to TR.	
Remember Guass-Gordan -> where you tag an the identity matrix. But Still tag on identity welry—rec Swarsquere with G.S., But you matrix	
ease note there are no cash payment tachfires at our primes (agrees payable to your nody corporate. Remounts are due and payable in advance or the 1" this;) day of each month di ata payments will attect whereat.	
hour this accounted be quelice with the days we sto but the superity of the first problem. It was an account of the state	

AS YOUR DEPOSIT REFERENCE.

ANGOR: Your One-Stop-Property Shap

ACCOUNT NAME:



in Chapter 2, Rwas I pren E was A-1

E = [-1 2.07

. New Vector space (M)

all 3x3 matrices are the vectors

ATB, CAX

not intested in AB yer naw

- What about SUS spaces!

Subspaces of M 1) appr pragule matrices

2) Symmetric matrices

3) Diograf matrices

(Aug = 2)