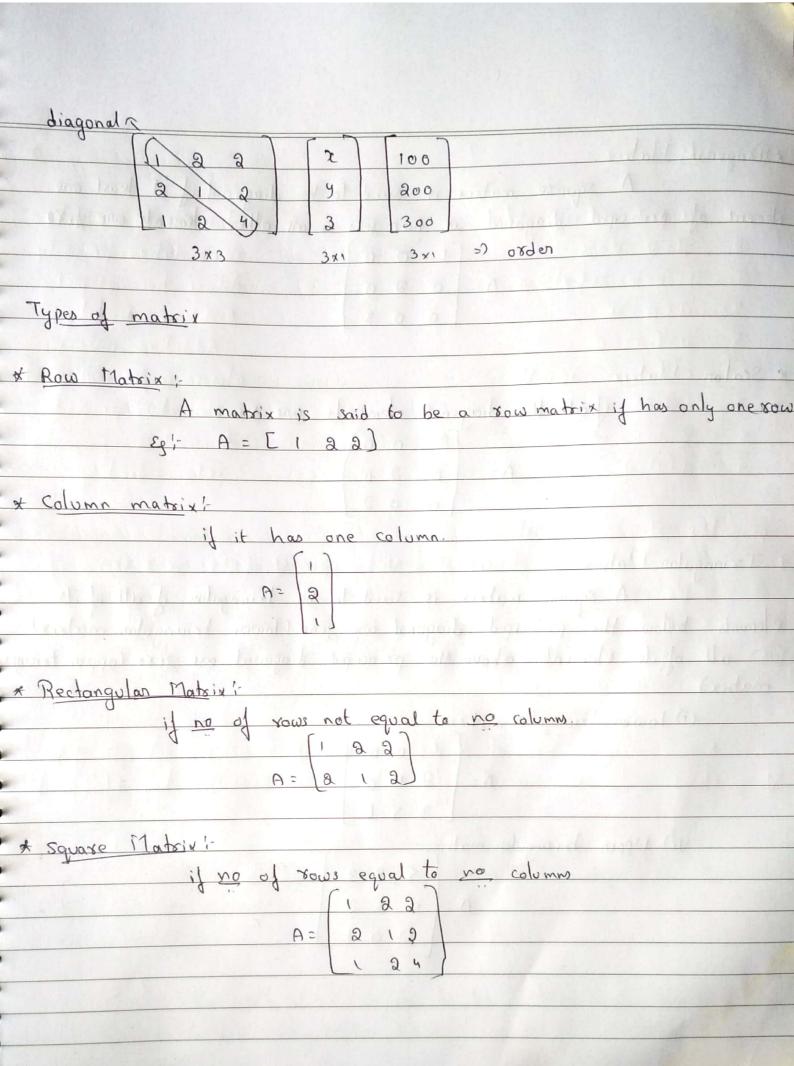
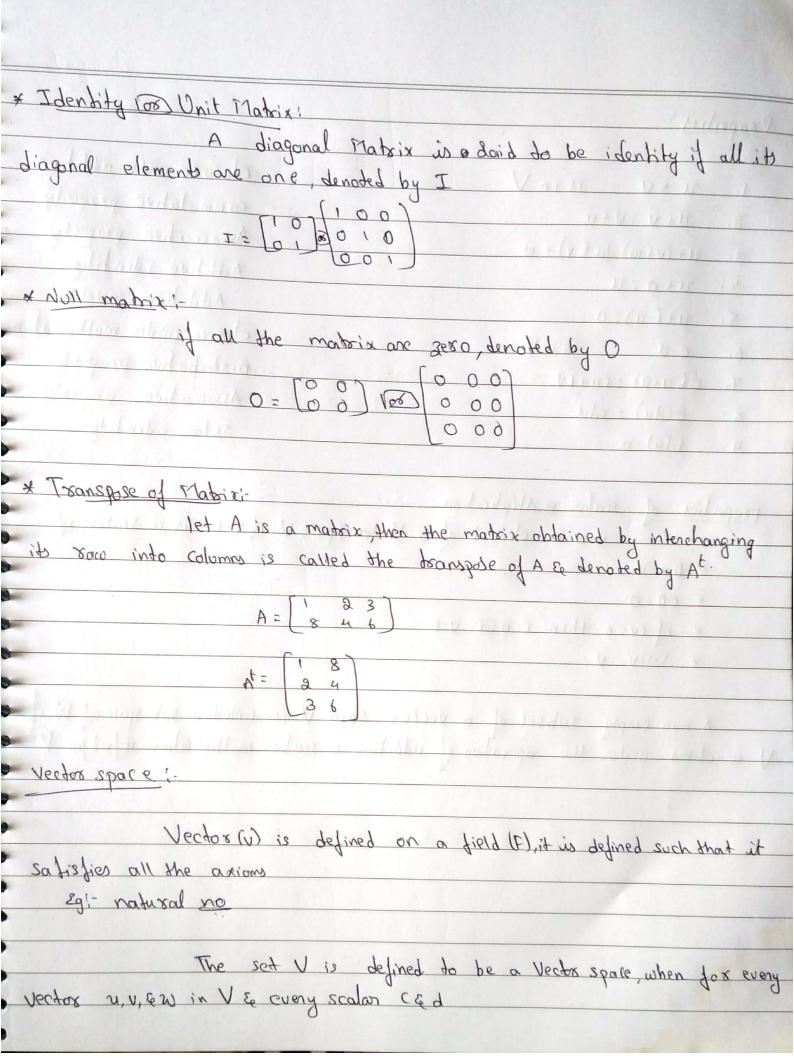
20/1/08		
Class note 2		
Book to refer:  Introduction to linear algebra by Gilbert Strang		
Problem to transate into eq		
1. Price of 1 ball & 2 ball by 100 Ps		
an: 1x + 2y =100		
2×142100		
Call to N. Carlo and I My & Contained Long Kan Dan Kan Dan Land		
2x/+4y=200 (x2 10) 11/10		
2/2+14=100		
3y=100		
y=33.3		
2x+1y=100		
2 x + 33:3=100		
(x=33.35)		
(A=3.3/3)		
Conventing to matrix		
Eg: 1x+2y+83 2100		
271+4+232206		
7e+ 8y+ 43=300		



* Diagonal Matrix:
A square matrix is said to be diagonal if at least one
element of principal diagonal is non-zero & all other elements one zero
A= 0 2 0
0 0 3
* Scalar Makixt
if all the diagonal elements are dame
200
$A = \left[\begin{array}{c c} 0 & 2 & 0 \end{array}\right]$
002
The state of the s
* Triangular Matrix:
A square matrix is said to be briangular if all of its
Elements below the principal diagonal are zero (lower briangular majorix)
Loss all of its elements above the principal diagonal are zero Copper triamps
mahix)
(i) lower briangular matorix
100
A 2 2 4 0
356
(ii) Upper briangular matrix
5.8.3.
A = 0 1 2
007
Control of the Contro



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Babayin !-	A A A A A A A A A A A A A A A A A A A	
	Closure under addition	
	- commulative property	
	- Associative property	
4 4024	Additive identity	
5. u+(-u)=0	Additive inverse	
	closure under multiplication,	
7. c(u+0) = (u+10	pistributive property	
2 11 p - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Associative property	
9. 1 (4) = u	Sclan i dentity.	
proporties of scalar multiplication	is dult a segrant "	
vis a element of a Vector spare V	it se c is a sealor, if	
* DVEV March 11 A January March 12 Allan	ex mounted alone and the	
* c0=0		
* if cuso then csolor usb	A	
* (-DU=-V		
	1	
A non empty subset of a vector space Vi	s called a sub space, of W, if	
V is closed under the operation of addition & scale	on multiplication defield for V	
	- Verden robert	
the knott from bringer in hill hour a contample ,		
	source with the confirme	
	are liverline 1 pt	
grant of fraula sugar which is not all bounder in V		
h. p. 2 - 120 (2.25 prop)	23 V m 163 WW Solver	