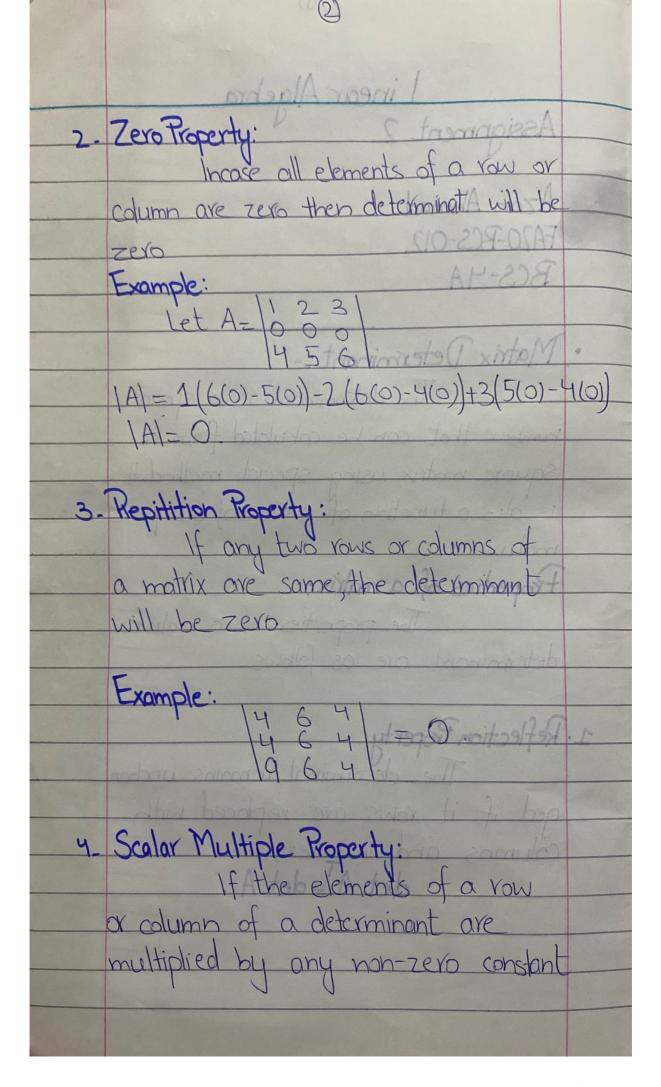
60	
1. 1.	
Linear Algebra	
Assignment 2 whom fores	-5-
ve way to to stand a the shoot	
Azan Ahmad	
FA20-BCS-012	
BCS-4A : stomed	
16 5 11 A tol	
· Matrix Determinant:	
The determinant is a special	
number that can be cakulated from a	
square matrix using special method. H	
is also a function of entries of a square	-C
matrix.	
Properties of a matrix:	
The properties of a matrix	
determinant are as follows.	
Example:	
1. Reflection Property	
The determinat remains unchan-	
ged if it rows are replaced with	
columns and vice-versa	N
det A = det A.	
det H = det H.	
a column of a discounting to	
Justines continent has be perfeit in	



	3
	then the determinant also gets
1/4	militalied by the same mostant
	Example:
	Example:  102 18 36 _ [6(17) 6(3) 6(6)]  13 4 1 1 1 3 6
1/2	13 4 1 - 13 4 1
	117361
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	17036 0 = (3121-1)121
	146-= 05-40
5-	Triangle Property:  If the elements in determinant
	If the above to its delevation to
	If the elements in actaminant
	actor and apple o main alignor are
	zero then determinant is the product
1	of diagonal elements
	Example:
100	Example: A= 2 4 0   So   A = 0
	3 5 6
A. Alexander	N 3 6 1
	0 0 1 102 11 11
6-	Sum Property: In a determinant each element
	In a determinant each element
	is any volv or column consists of sum
The state of	of two factors, then determinant can
	of two jacos sinor accounts
1	be expressed as sum of two determinants of same order
	determinants of same order

