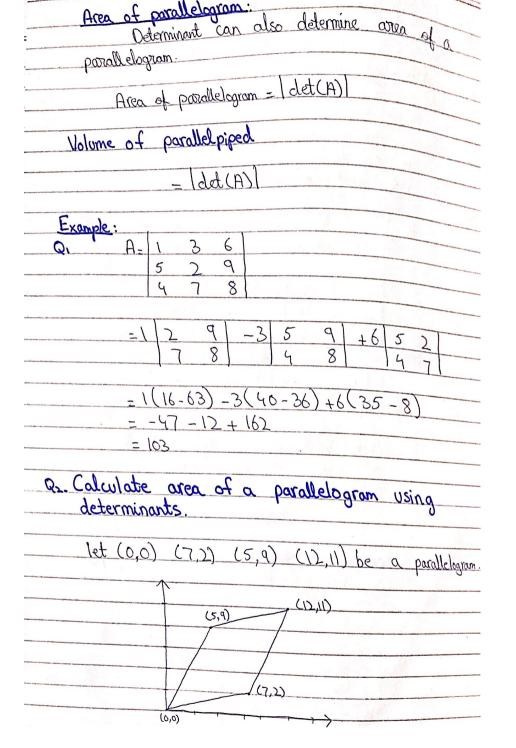
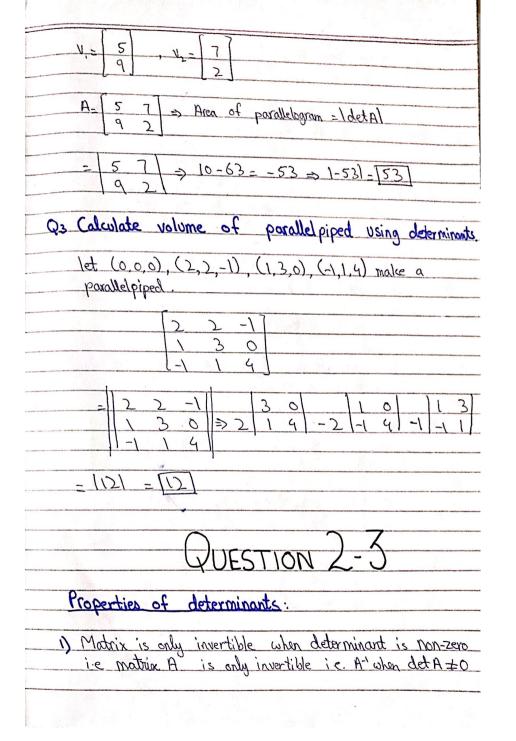


Scanned with CamScanner



Scanned with CamScanner



	A-1= AdjA , det A + 0 det A
(C)	Matrix's determinant has the same value as the determinant of its transpose.
,	Example if $A = \begin{bmatrix} 6 & 8 \\ 7 & 11 \end{bmatrix} \Rightarrow det A = 66 - 56 = 10$
	$A^{t} = \begin{bmatrix} 6 & 7 \\ 8 & 11 \end{bmatrix} \Rightarrow det A^{t} = 66 - 56 = [0]$
2)	
	$A = \begin{bmatrix} 11 & 10 \\ 2 & 3 \end{bmatrix} = \det A = 33 - 20 = [13]$
(4)	Example $A = \begin{bmatrix} 11 & 10 \\ 2 & 3 \end{bmatrix} \Rightarrow \det A = 38 - 20 = [13]$ $A = \begin{bmatrix} 10 & 11 \\ 3 & 2 \end{bmatrix} \Rightarrow \det A = 20 - 33 = [-13]$

Scanned with CamScanner

Ci)	
$A = \begin{cases} 1 & 2 \\ 1 & 2 \end{cases} \Rightarrow \det A = 2 - 2 = 0$	
[12]	
A null matrix A of order nxm has det A = O Calua	1
IT THAT HOUSE IT OF OIGH IT XIII DOWN DEL H = O CAMPA	(Sh
(5) Determinant of identity matrix is always 1.	
$I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \Rightarrow det(A) = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$	
lo IJ	
(6) If each entry of a row or a column consists of t	wo
terms as a sum then its determinant can be	
expressed as.	
A= a+ b, a, a,	
$a_{21} + b_{21}$ $a_{22}$ $a_{23}$	
(a <sub>21</sub> + b <sub>21</sub> a <sub>32</sub> a <sub>33</sub>	
$ A  = \begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \end{vmatrix} + \begin{vmatrix} a_{11} & a_{12} & a_{13} \\ b_{21} & a_{22} & a_{23} \end{vmatrix}$	
$ A  =  a_{11} - a_{12} - a_{13}  +  a_{11} - a_{12} - a_{13} $ $ a_{11} - a_{12} - a_{13}  +  a_{12} - a_{13} $	
$\begin{vmatrix} a_{31} & a_{32} & a_{33} \end{vmatrix} \begin{vmatrix} b_{31} & a_{32} & a_{33} \end{vmatrix}$	
35 31 32 33	
(7) When each entry of a column or a row is added	
to a non-zero multiple of the corresponding entries	C
another row or column then determinant of the	70
matrix is remains some.	
mount 45 remains some.	
0601110	
A =   a, a, = det A =   a, a, 2	
La, a, a, a,	
The service are resident an order to the control of	

