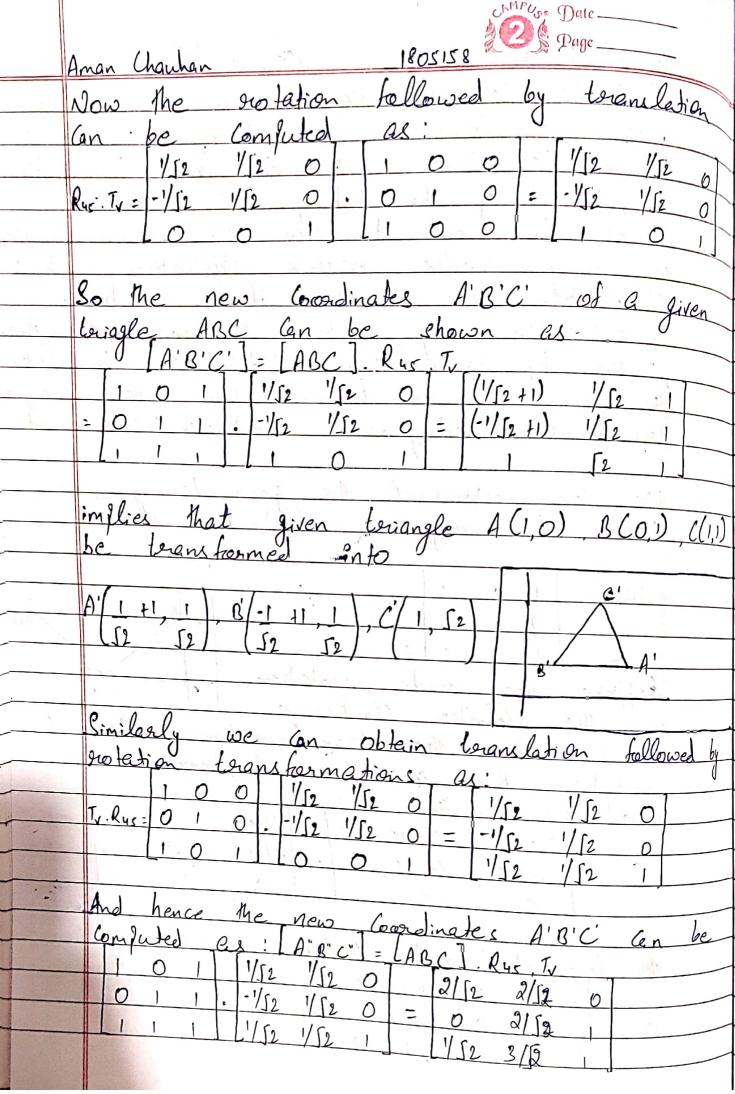
Aman Chantan 1805158 Page Composite terans formation means when 2 on more transformation are Jerhanned on figure to persoluce a new signine Teranslation of foints by the change of coordinate Cannot be Combined with other by using simple materix application Combination is evential rolate an image about a point origin by branslation, notation again translation To combine three transformation into a single transformation, "homogeneous coordinates are used. We can referesent the given triangle, in term of homogeneous coordinates as-Ruffose we made notation the transformation matrix notation Ruc in terms of homogeneous Cos 45 sin 45 0 Rus = 1-sin 45 (0845 The townslation materix, To, where V=1i+Oj is



	Dans (Dans
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3 1	As same, the y extent is length of 12
3 L	$  1hat  $ (C) $  1 ^{\frac{1}{2}}\sqrt{2}$
	For ecaling the notated window to the
	normalization viewfort we Calculate sels
	as en= (viewfort & extent)/(window & extent)=1/31
	Consider the extent of doing to the them.
	Sy=(viasport y extent)/(window y extent)=1/15
	Sn O - Sn. K. Wmin + x. Vmin
1-	O Sy - Sy Kwin + y Vmin
-	
7	as in expression, the Common form of
7, 4	teransformation materix showing mapping of
	window to a viewfort. 17 = N
	within this peoblem [7] may be termed as
	N as this is case of nonmalication
	teransformation with xwmin = 1 xvmin =0
1	y wmin = 1 y vmin = 0
-	$Sn = 1215$ $S_1 = 1/5$
	30, N = 1/255 O. (-1/2)(1/55) +0
,	0 1/55 (-1/55) 1 + 0
4 1	
	To here we compase notation & teransforment
E	N to get viewing teransformation
	NR = 1/2/5 0 -1/55 2/55 1/5 (1-3/55)
to be a star	0 1/55 -1/55 -1/55 2/55 (1-2/55)
E COLUMN	
2)	
0)	The intersection of sanline 1
	and John is noted and the
	al accordingly
	Moving along san line
	Rolygon intersection with edge of 10 14 is 25
	Scanned with CamScanner