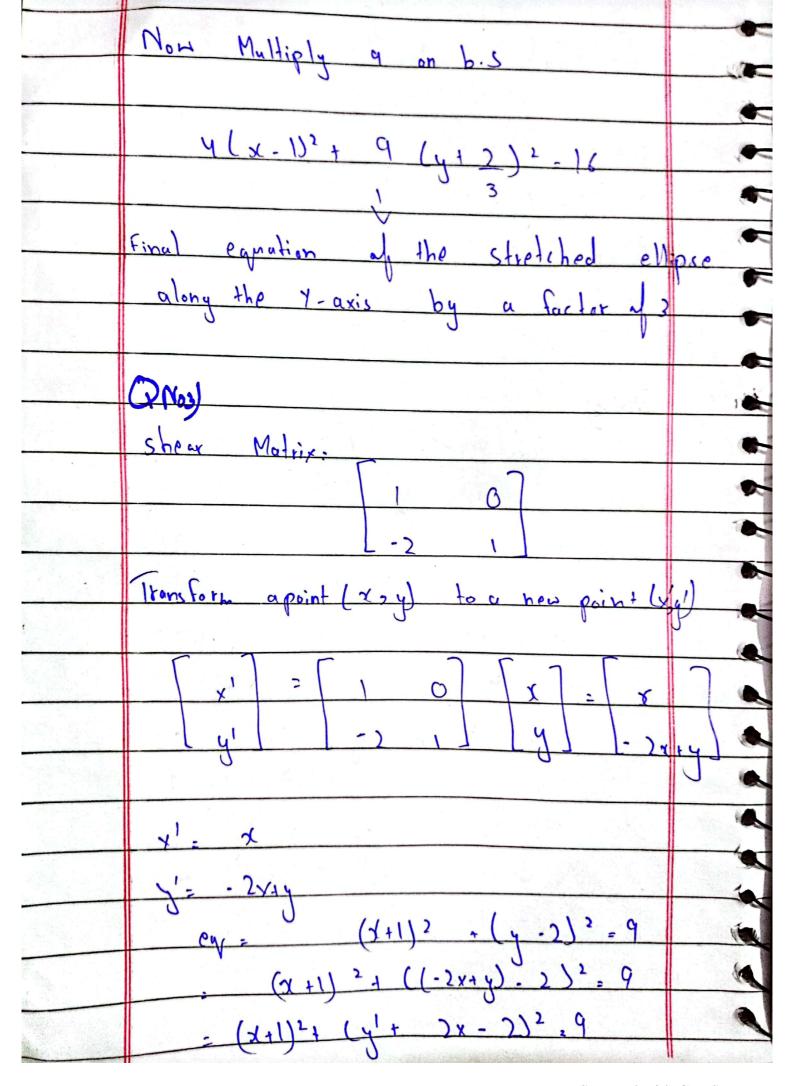
Mon Tue Wed Thu FH Sat /LA) Date: _/_/20		
Assignment No.3)		
Name: Affon Ahmad Entall: 03-13422	1.003	
(Q Nos)	(0.5	
Shear Matrix:		
Unit square vortices		
A = (0,0)		
B2 (1,0)	1	
C = (1,1)	•	
D= (0,1)	•	
Now shear Matrix with each vertices	(0.	
THOU STILL S		
n' [1 27 [07 = [07		
[0][0]		
0' [1] [1] [1]	•	
0 1 0 [0]	1	
1 [27 [17 - [37		
0'= 1 1 1	1	
	•	

	Nou Translate verlex by vector (2,3)
	n'' = (2,3)
	B" = (3,3) > Final vertices
	("= (5,4)
,	0"= (4,4)
•	ONezj
•	$(x-1)^2 + (3y^1 + 2)^2 = 1$
<u>, </u>	7 16
,	substitute y= 3y'
-	
•	$(x-1)^2 + 9(y^1 + 2)^2 - (x-1)^2$
•	16
3	$(x-1)^2 + (y^1 + y^2)^2 = \frac{16}{9}$
•	
4	$\left(\frac{1}{3}\right)^{2}$
•	
4	
-	



	$Expand = (x+1)^2$, $x^2 + 2x+1$
	Expand = (y'+2x-2)2
	$(y'+2x-2)^2 = (y')^2 + (2x-2)^2 + 2y'(2x-2)$
	$= \frac{y^{12} + (2x-2)^2 + 2y'(2x-2)}{= y^{12} + 4x^2 - 8x + 4 + 4xy' - 4y'}$
	= y'2 4 4 x 2 - 8 x + 4 + 4 x y' - 4 y'
	x2+ 2x+1+ y12+4x2-8x+4+4xy1-4y1=9
	5x2+ y12+ 4xy'- 4y'-6x +5: 9
	$5y^{2} + y^{12} + 4xy' - 4y' - 6x - 4 = 0$
-	equation of the sheared circle
	V
•	(DNO 4)
	X = -2
•	point (x, 2x-3)
3	x = -2 is $x = (-2) = x + 2$
-	-2 - (x+2) = -4-x
•	
-	x' = -4-x
	x = -4 - x'