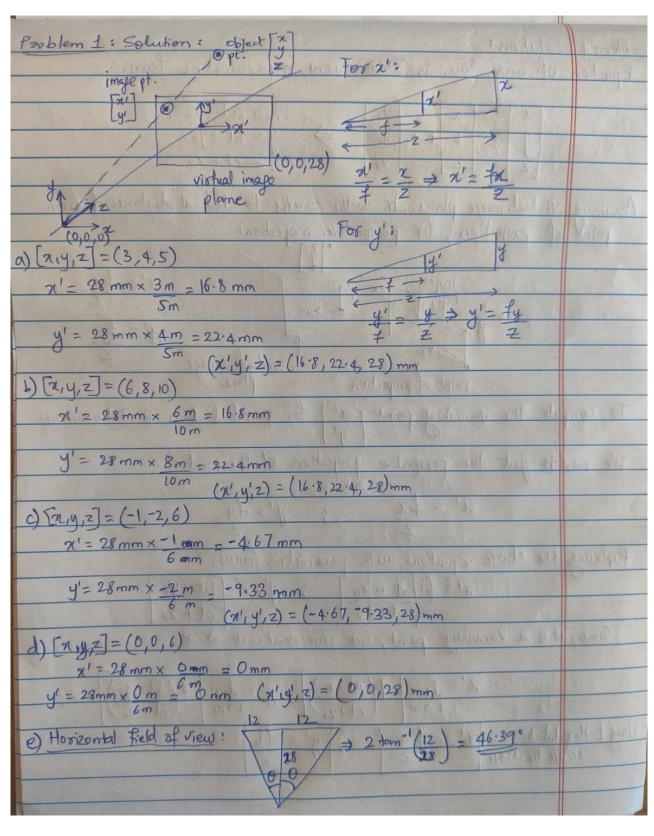
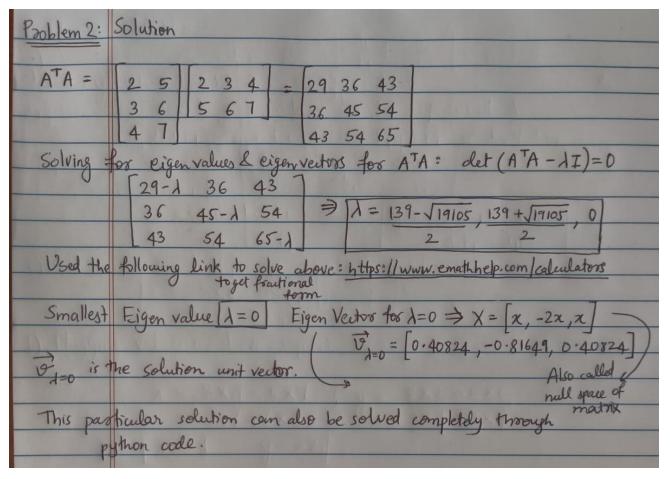
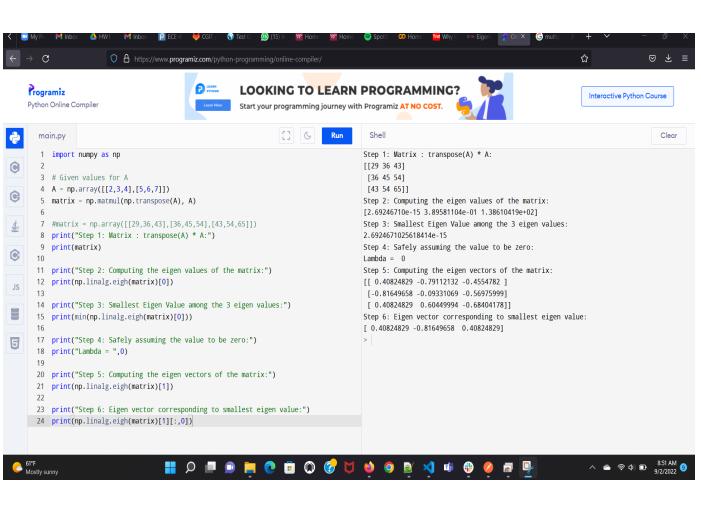
ECE 4554 / 5554: Computer Vision: Homework 1

Name : Ankit Parekh VT Username : ankitparekh Program : MS CPE (Non-Thesis)







1	
Pooblem 3	Solution
A Acoust	Line and par Chille and the land of internal on your
a) Point of	intestation:
	For x-co-ordinate . For y-coordinate
	ax+c1 = a2x+c2 1 b1y+c1 = b2y+c2
436	-b, -b, -a, -a2
	The state of the s
	$\chi = -C_1b_2 + C_2b_1$
	a, b, - a, b, a, b, - a, b,
b) Illegia	$x = c_2b_1 - c_1b_2$
	a.b a.b.
	THE REPORT OF THE PARTY OF THE
b) Pluggin	g values in above egmy.
, ,	
	$\chi = 8 \times 4 - 5 \times 7$; $y = 8 \times 3 - 5 \times 6$
	3×7-6×4 6×4-3×7
7 1 1 1 1 1 1 1 1	$\chi = 1$ $y = -2$
c) for 2	lines to be parallel, their slopes should be equal [In 2D]
	y = mx + c
	Clope
So for	our case: $-a_1 = -a_2 \Rightarrow a_1 = a_2 $ $b_1 b_2 b_1 b_2 $
	b ₁ b ₂ b ₁ b ₂

