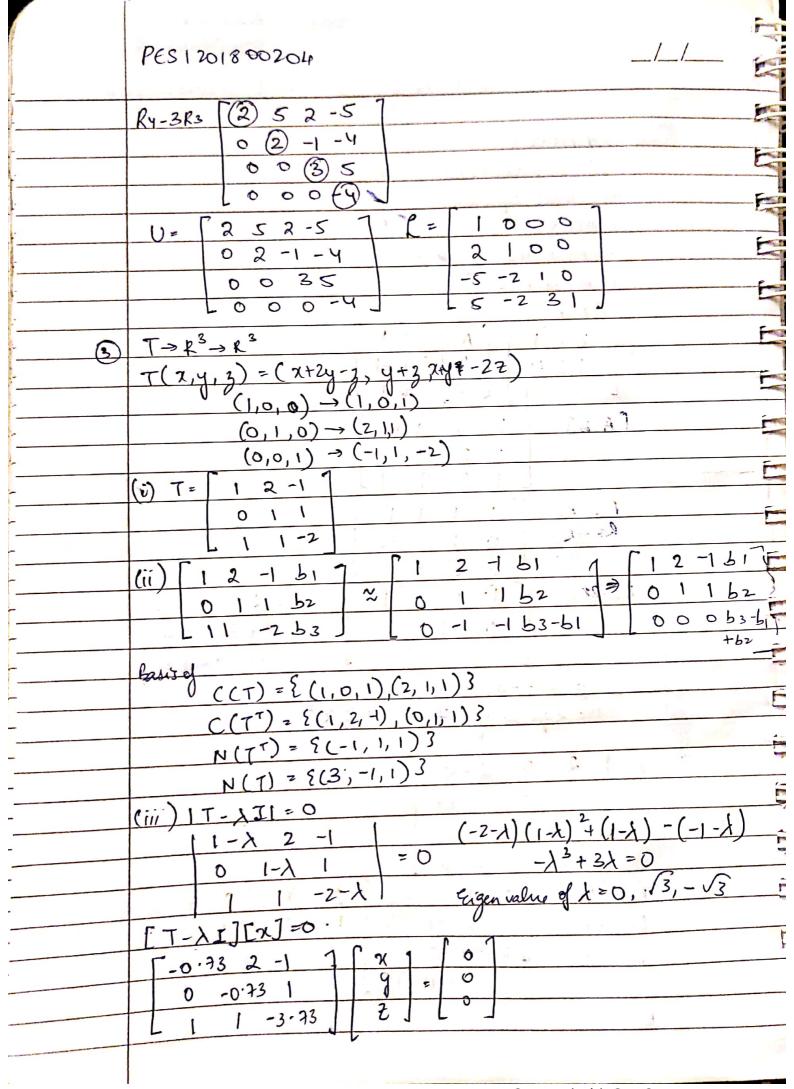
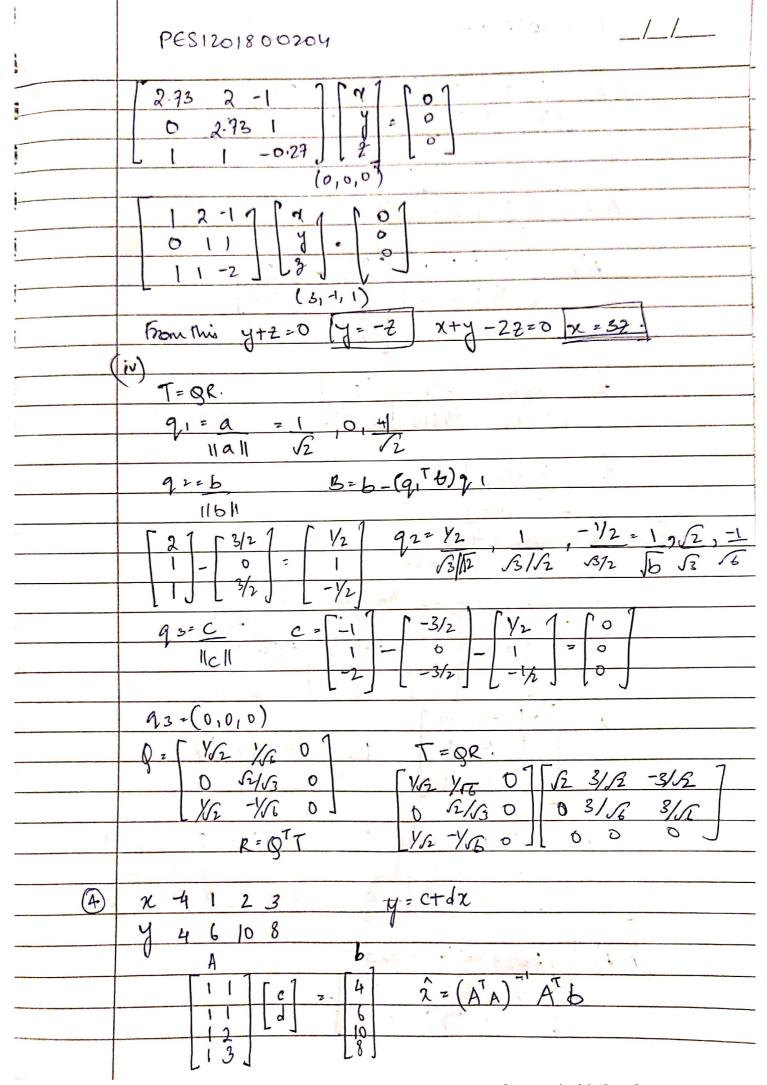
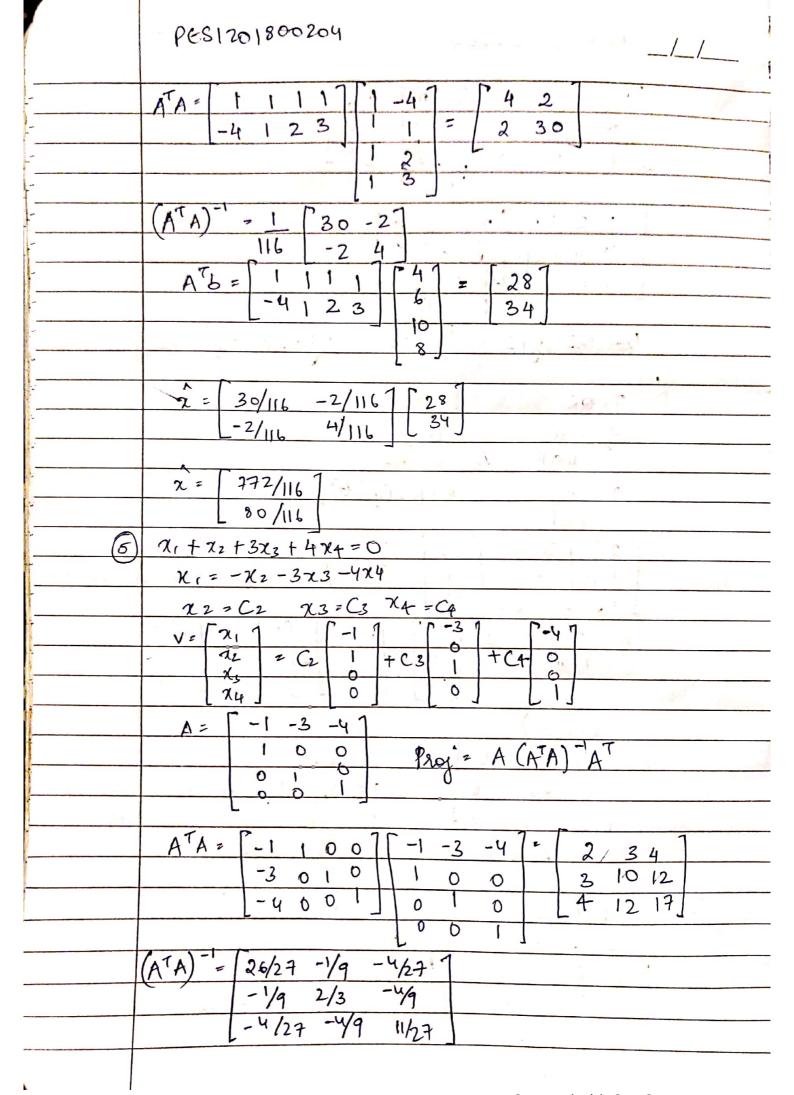
	See Marie	Ananya.V	1
		Ananya.V CSE, Section I	
	Pn.	Sem 4 _/_/_	
	LA - Assignment.	PES1201800204	
			_
<u></u>	y= A+-B1+C22		_
	(1,1), (2,-1)(3,1)		_
	The three egns are:		_
	1=A+B+C		
	-1 = A+2B+4C	, -	_
	1=A+3B+9C		
	Az=b form.		
	1 1 1 A B = -1		_
	139 [ ]		
	[Ab]= [1 1 1 1 7	(0.7,0)	-
	1 2 4-1	(1,5,0)	-
	[ 3 9 ]	1 - 0	-
_	R2-R1 [ 1 1 1 1 ]	1 1 0	-
	$R_{2}-R_{1}$	4+ / 1	
	0280	We get "	_
	R3-2R2 [ 1 1 1 ]	2c=4	_
-	0 0 3 -2	6+3c=-2	
	0024	a+b+c=1	
		1) J 19 2 4	
	· The pan is u = 7 -8x+27	2	
W.		d a Ct. A	
2	A= 2 5 2-5 ]		_
	4 12 3 -14		
	m-10-29-5 38		
	10 21 21 -6		-
		3+2R2 252-57	_
		++2R2 02 -1-4	_
	D4-5R1 0-4 5 13.	0035	
	1 1 19	0035	_
	[0-411 19]		-
	, <b>e</b> :		_
1			







A (ATA)	-1/27	-14 -	4/27
		- 1/9	
	-1/9	2/3	-4/9
*	[-4/27	-4/9	11/27
· CATILIT		11	

A(ATA)-ATE	26/29	-1/27	-1/9	-4/27
	-1/29	26/27	-1/9	-4/27
	-1/9	-3/27	6/9	-12/27
	-4/27	-4/27	4/9	10/27

						1
li)	[a	2	2		a 2 2	1 a >0 =) a = 4 >a
	2	a	2	23	0 a-4 2-4	a
	2	2	۹ ِ	1	0 2 <u>a-y</u> 2 <u>a-y</u>	a>2.
	li)		- 100	2 a 2	2 a 2 %	2 a 2 % a a - 4 2 - 4

 $\alpha(a^2-4)-2(2a-4)+2(4-2a)$ 

$$a^{3}-12a+16>0$$
 $a>4,2,2$ 
 $2< a< \infty$ 

(u) [x, x2 x3] [a11 a12 a13]

| a21 a22 a23

| a31 a32 a33

[a112, +a2122+a3123]	a12 +a21 = -2		
942, +22222 +22373	a31+a13 = 0		
231 21 + a32 X2 ta3 3 X3	933 +932 = -2		

Symmetric

a12 = a21 = -1; a23 = a32 = -1; a31 = a13 = 0

Required matrix is [2 -1 0]

-1 2 -1

