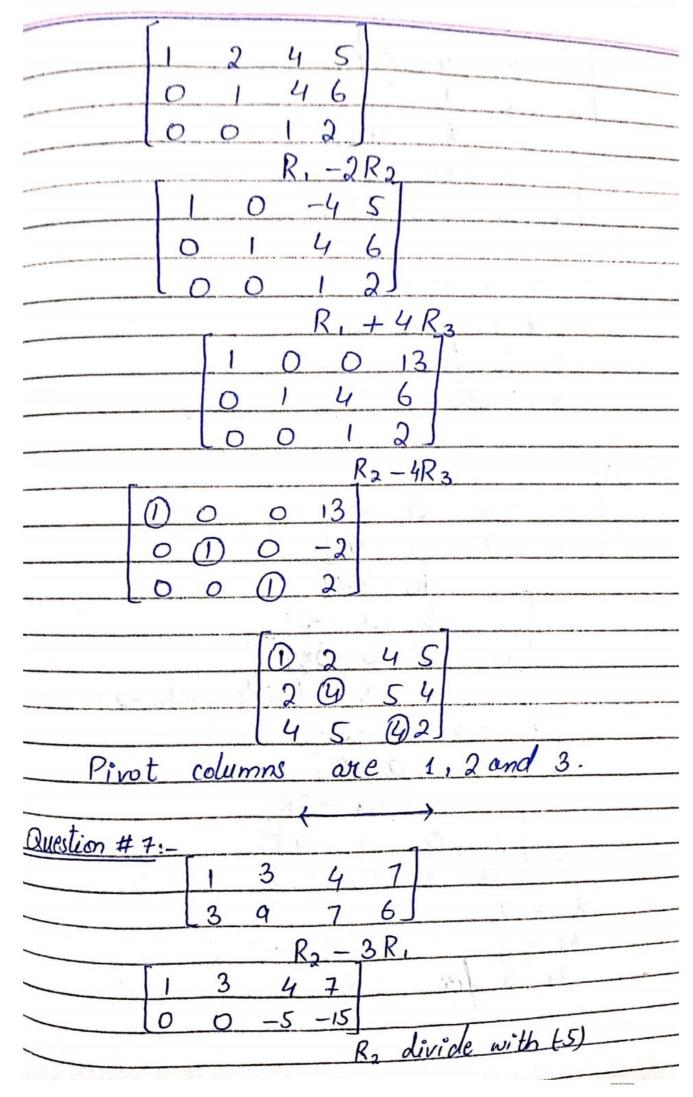
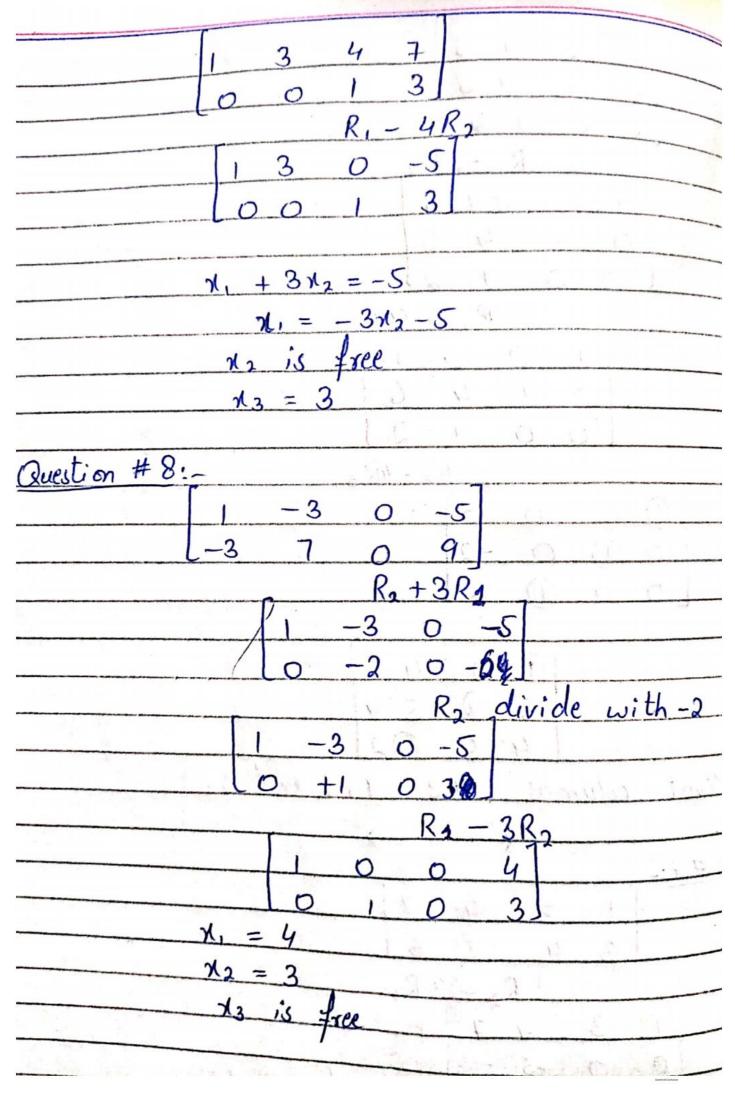
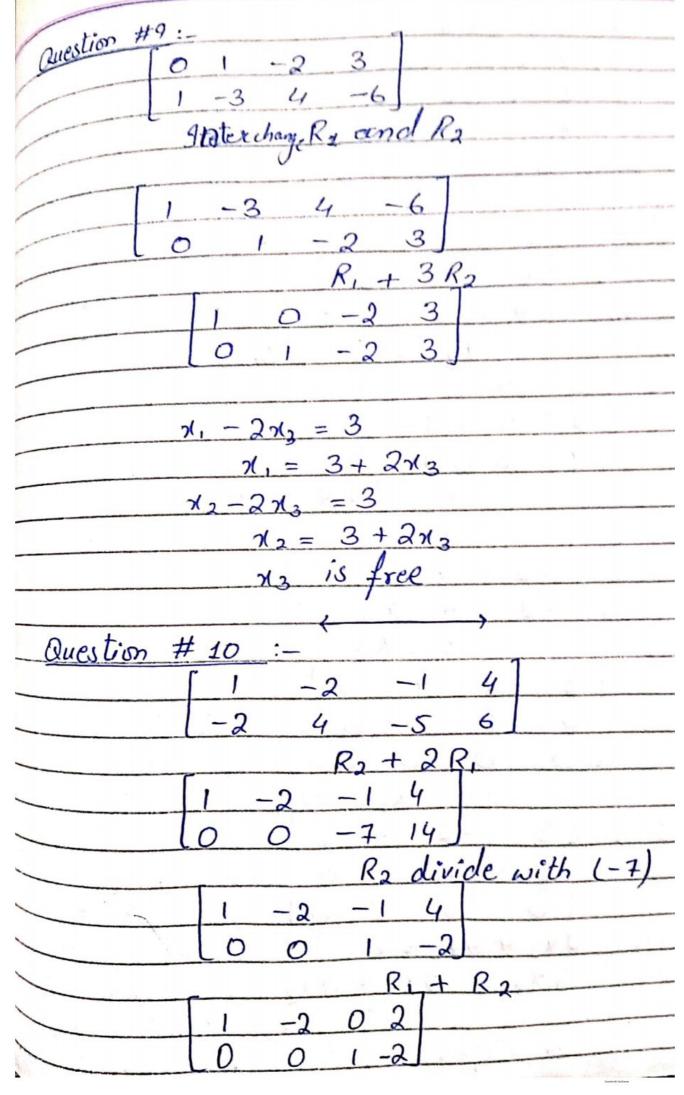
Exercise 1.2	
42:	_
Austion #3:-	-
2 4 6 8	-
3 6 9 12	_
$R_2 - 2R_1$	-
1 2 4 8	
0 0 -2 -8	
3 6 9 12	
$R_3 - 3R_1$	
1 2 4 8	
00-2-8	
00-3-12	
Ra divide with (-2)	
1 2 4 8	
0014	
[0 0 -3 -12]	
Radivide with (-3)	
1 2 4 8	
0014	
10014	_
$R_3 - R_2$	_
D 2 48	_
0004	_
[0000]	_
in a training was a waster	

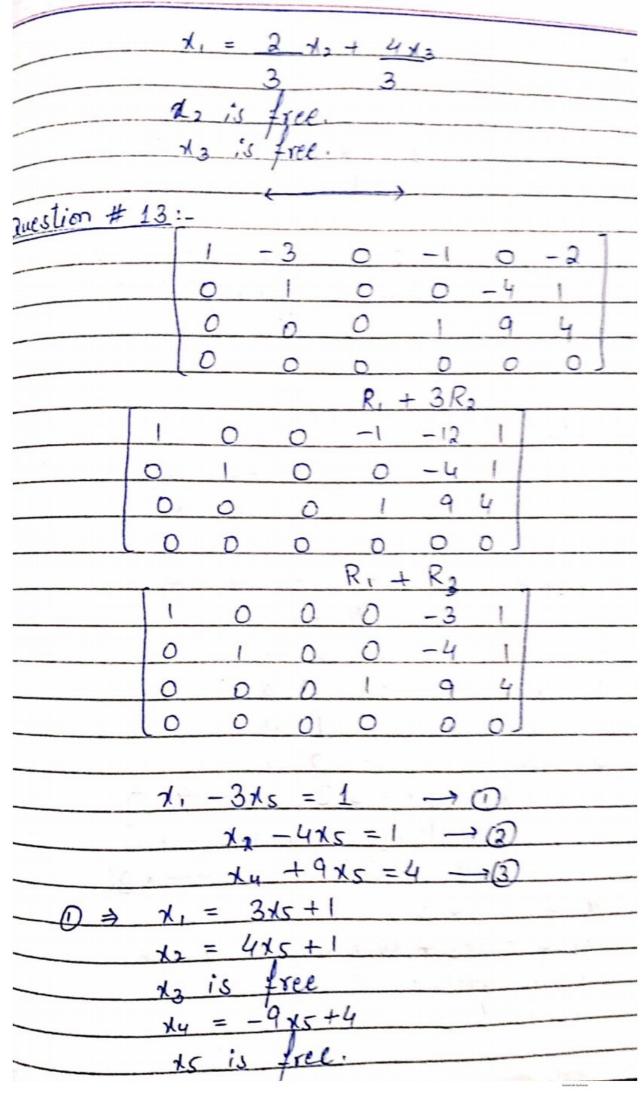
[D2 48]
1369121
1 1 and 3.
Pivot columns are 1 and 3.
Question # 04:-
1 2 4 5
2 4 5 4
4 5 4 2
$R_2 - 2R_1$
[1 2 4 5
2 /
(4)
$R_3 - 4R_1$
1 2 4 5
0 0 -3 -6
[0 -3 -12 -18]
R2 divide with (-3)
1 2 45
0012
-3 - 12 - 18
R3 divide with (-3)
1 2 4 5
0012
4ntexchange Ro and Ro
Interchange R2 and R3
Long de Lindows

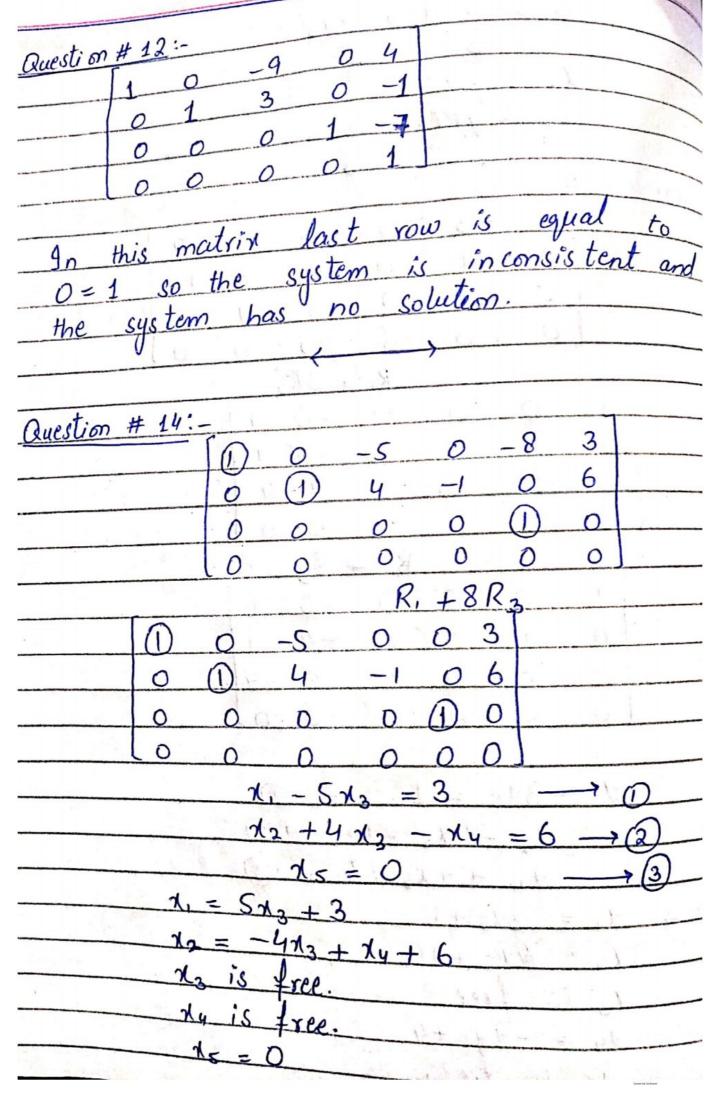




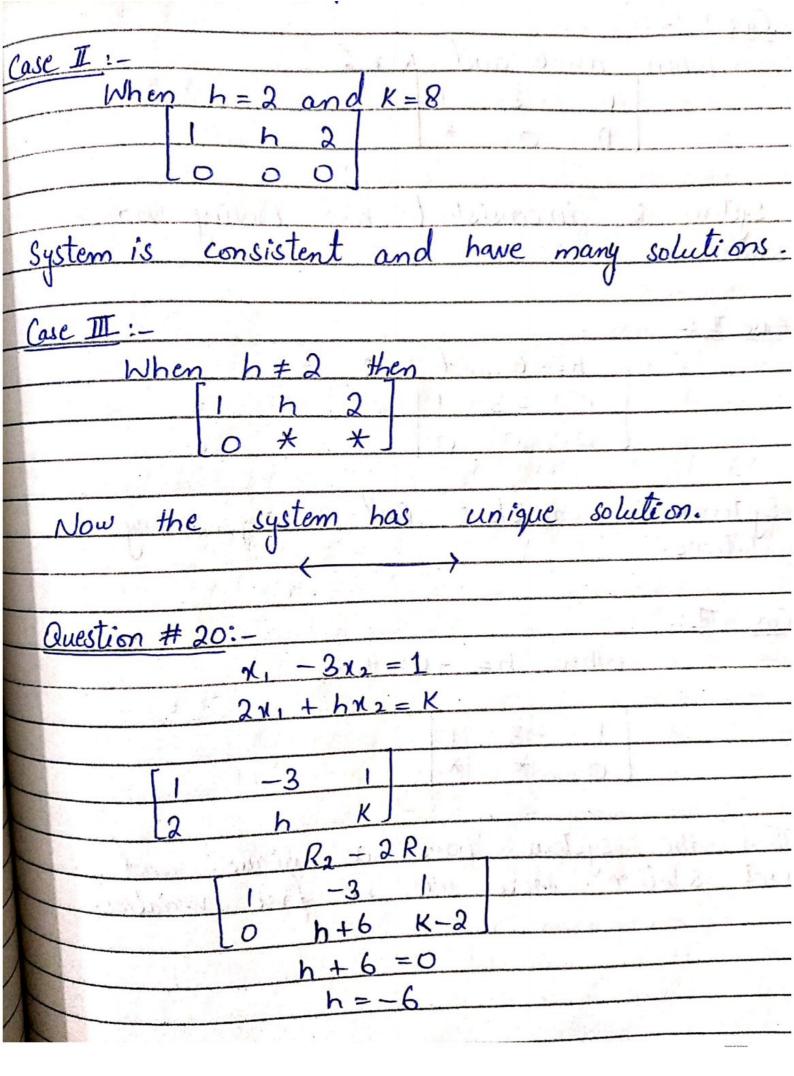


$-2x_2=2$
$x_1 = 2 + 2x_2$
$\chi_3 = -2$
12 is free.
The state of the s
Questi on # 11:-
[3 -2 4 0]
9 -6 12 0
6 -4 8 0
Radivide with 3
3 -2 4 0
3 -2 4 0
[6 -4 80]
R3 divide with 2
3 -2 4 0
3 -2 4 0
3 -2 4 0
The state of the s
$R_3 - R_2$
$\frac{3}{3} - \frac{2}{4} + 0$
3 -2 4 0
[0000]
$R_2 - R_1$
3 -2 4 0
0 0 0 0
10000
$-3x_1 - 2x_2 + 4x_3 = 0$
$3x_1 = 2x_2 + 4x_3$
hard before





3h +6=0
3h=-6
[h = -2]
9f 3h+6=0 then h=-2 so the system is inconsistent and system has many solution.
inconsistent and system has many solution.
Question # 19:-
$\chi_1 + h\chi_2 = 2$
$4x_1 + 8x_2 = K$
1 h 2
4 8 K
R2 - 4R1
D 8-4h K-8
8 - 4h = 0
$\frac{4h=8}{2}$
Case I:
When $h=2$ and $K \neq 8$
1 h 2
0 0 *
System is inconsistent and system has no
solution. Solution and system has no



When h = -6 and $K \neq 2$ $\begin{bmatrix} 1 & -3 & 1 \\ 0 & 0 & * \end{bmatrix}$ Case I :system is inconsistent and having no Solution Case II :-When h=-6 and K=2 0 System is consistent and having many solutions. Case III: h = -6 then the system have solution. There are Then a unique exact ore

