## Muth ZOSTA

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02 3x -2y +4z=2 - 3 2x -3y +6z=8 -0 2x +y - 2z=3 -3

-) Sybtract y in equation (3)

X+y-y-2z=3-y : X-2z=3-y

1. x=3-y+2z

pyt Value of X in equation D&D

3(3-y+2z)-2y+4z=Z 2(3-y+2z)-3y+6z=8 2(+y-2z=3

: 9-3y+6z-2y+4z=Z : 6-2y+4z-3y+6z=8 : X+y-2z=3

: 9-5y+10z=z-9 : 6-5y+10z=8-6 : 2+y-22=3-6 ALIZOT 1131 Date / Page No.

Simplyfy equation (5)

= to 6.5y +10z > 8

= -5y +10 z= 8-6) - 1 = 50 1 15

= -5y = 2-10z 0 7 = 50 divide it by 5

:. -54 - 2-102 5 doispups in & garage

· y= = 2 +22

Replace value of y in 411 e quation

· 9-5 (-2 +22)+10z-Z

·· y = 2 +22

· X=3-9+22

9-5.2 102 +102=7

: 9+2=1

: 11=2

$$x = 3 - \left(-\frac{2}{5} + 22\right) + 22$$

Simplify

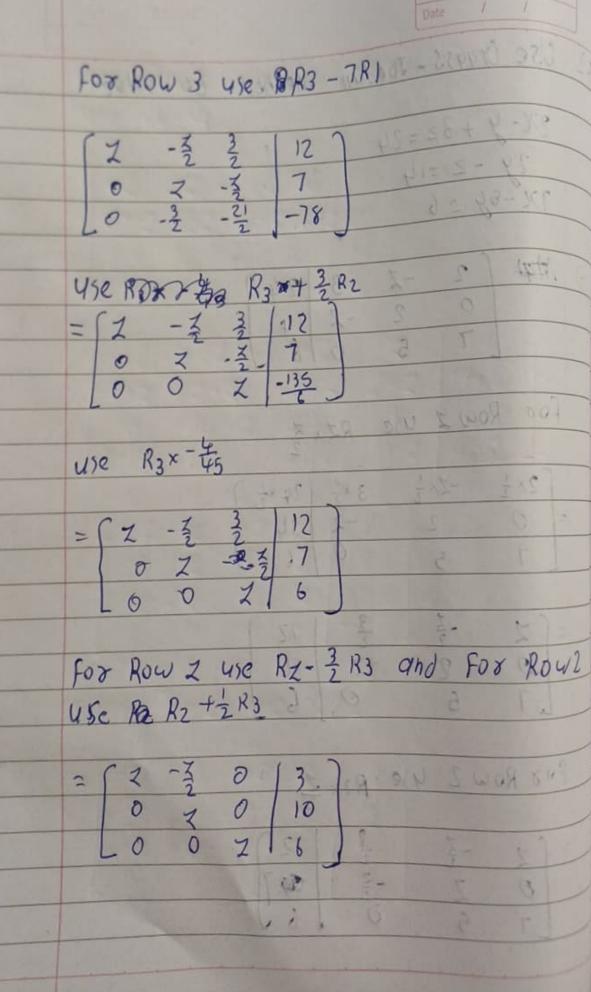
. There is no Trye solytion

02 Use Grayss-Toodan Method to solve

$$2x - y + 3z = 24$$
  
 $2y - z = 14$   
 $7x - 5y = 6$ 

for Row 2 use R2x 2

$$\begin{bmatrix}
2 \times \frac{1}{2} & -2 \times \frac{1}{2} & 3 \times \frac{1}{2} & 24 \times \frac{1}{2} \\
= 0 & 2 & -2 & 14 \\
7 & 5 & 0 & 6
\end{bmatrix}$$



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Use RI+ 3RZ FOX Row Z

: X=8

:. (8, 10; 6)

03 (-2,19), (-2, 10), (2,4), (2,7)

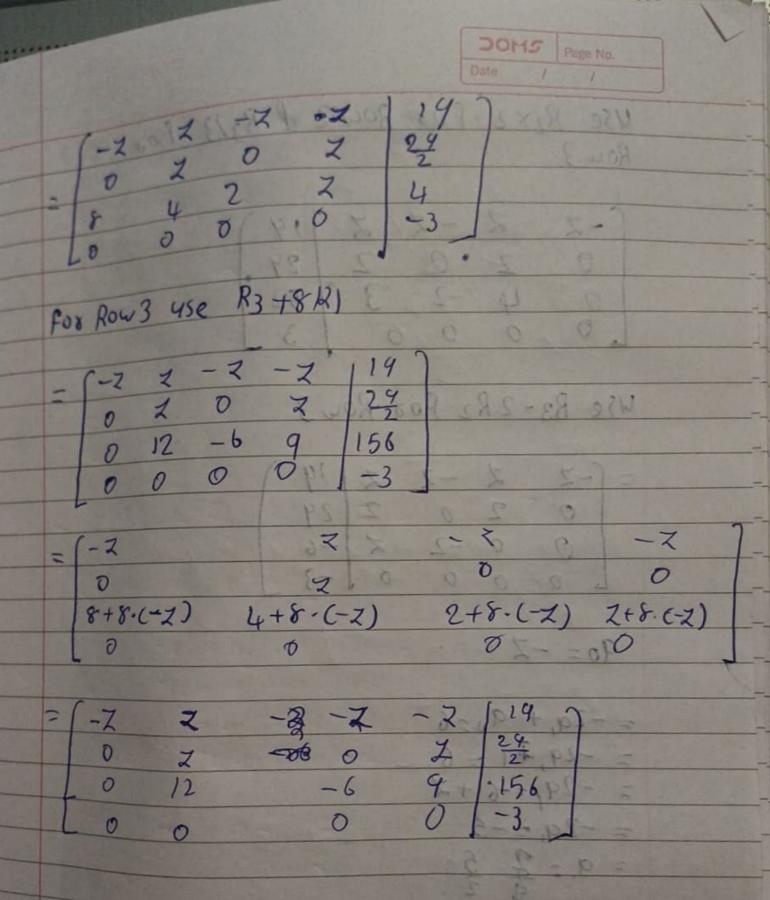
P(-2)=-9, +90=19

P(-1) =-a3 + a2 -a, + 20 = 20

P(2)=893+492+29,+90= 4 P(2)=893+492+29,+90= 7

\ -\ Z Z	(-Z	ス	119	7
1 7 7	-2	Z	10	
8 4	2	Z	4	
4	2	2	7	

DOMS Page No. for Row2 Use RZ+R, and For Rows use R4-R3 7+-7 2+2 -2+2 7+21 119 2+2 -2+-2 2+2 19+10 8-8 4 2 1 4 0 2 0 2 29 0 0 0 0 0 -3 (x) = 84 + 69, +80, +80 = (x) € fox Row 2 45e R2/2 ースス 2 0 2 2 4 2 7



	Date / /
0 2 12	fox
Use R2×2 for Row2 & R3/3	6 0
4se K2x2 Foot	1
Row 3	11 15
C - 7 - 1 7 19	0 0
0 2 0 2 29	to Row 3 450
0 4 -2 3 12	
[0 0 6 6 5]	7 5-
Use R3-2R2 FOX ROW3	7 0
4) e K3 - ZKZ FOO NOOS	0 12
( = 1 7 7 1 1 1 9 )	0 0
2 2 2 2 9	
0 2 0 2 2 2 1 -6	
1 6 5 -2	0
T 0 0 0 T 1 2 7	(2-1-8+8
90=-7	7-16
70	Marin Mill
= -29, + 90=6	7 7
= -29, = 1 = 6	5 0
= -29/=-6+2	0 12
= -29, =-5.	0 0
= 9, = 2 5	

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$$= 292 + 290 = 29$$

$$= 292 + 2(-2) = 29$$

$$= 292 - 2 = 29$$

## for az

 $P(x) = 2 \cdot x^3 + 319c^2 + 52 + (-1)$  $= \frac{1}{2} = \frac{1}{2} (4\chi^3 + 3\chi^2 + 5\chi - 2)$