X2= -1 + 12(-4) = -

 $y_2 = 7 + 6(-4) = -1$ 

 $2_2 = 5 + 3(-4) = 1$ 

Consider the following

Z=5+362

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L, X = 3+4+,  $2: X = -1 + 12t_2$ y=7+6+2 y= 4+ t,

1=5+3t2 = -4

 $9+t_1=7+6(\frac{-4}{3})=7+1=3-8=-5$ 

t2= -4

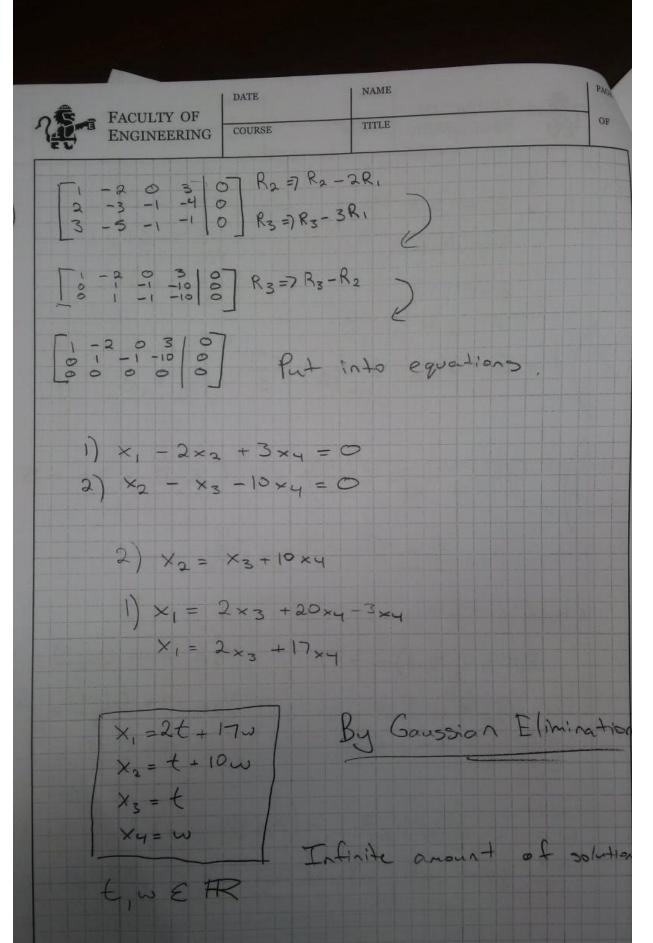
Check: 1+2

X = 3 + 9(-5) = -17

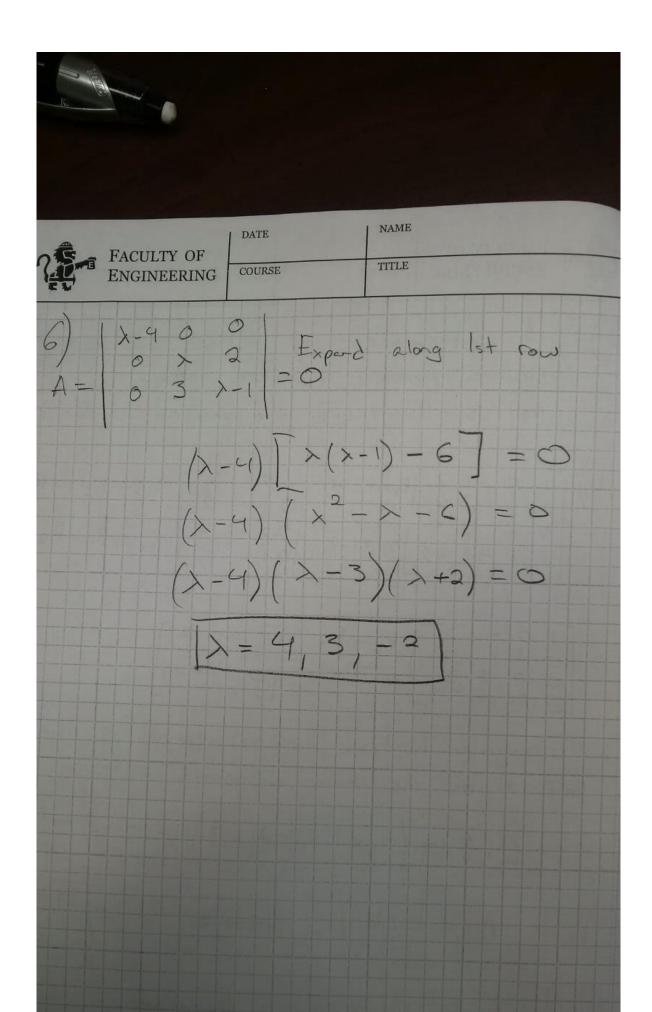
y= 4-5 = -1

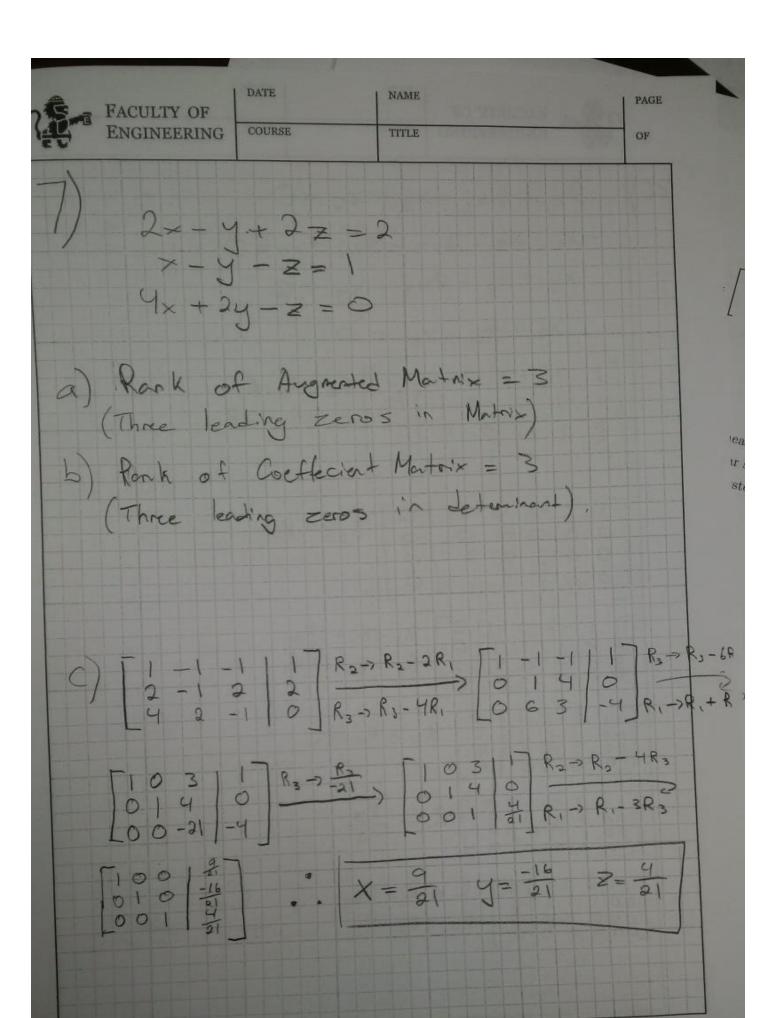
(x, y, 2,) = (x2, y2, 22)

i point of intersection at (-17,-1,1)



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5)	a) A Jeter Square m no soluti	ainant atrix,	is defined by therfore there s the matrix	1 a 15 3×4.
b)	1 0 -1 2 -3 4 0 2 -2 3 1 -4 -2	R2-282-28	R3 101-10 102-23 101-3-4 R4	
			7 - 000 - 000	
P.	roduct of -	he mai	determinant $\sim diagonal$ en $\sim (-2) \times 3 = -$	mes
c)	det A = (	det A) <sup>n</sup>	Therefore 6	= 17776
4)	de+ A = 6 ) de+(-A) = (-	4×4 m	atrix Herefore $A = [6]$	
e)	det A = de	+ A	Herefore let	AT = [G]





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$) 2x_1 + 2x_2$		
$-X_1 - X_2 + 2X$ $X_1 + X_2 - 2$	×3 - ×5 = 1	
X3 + X4 + X -1 1 -2 0 -1 -1 -1 2 -3 1 2 2 -1 0 1	0 R2-7 R	R <sub>2</sub> +R <sub>1</sub> R <sub>3</sub> -2R <sub>1</sub>
T1 1 -2 0 -1 0 0 0 -3 0 0 0 3 0 3	0 120	Ry
10011100 10003030300 10003000		2 2
[1 0 2   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ry -> Ry - R3	
[	R3-3-3	
[102100] R1 00001000] R2	$R_1 - 2R_3$ $R_2 - R_3$	Cnt.

