9 30 -1/10 -13/16 0,1 1,2 -1,4 -2/5 15 1-3121 19 - 1 7

 $C) = W = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 2 & -1 & 0 & 7 \\ 2 & 3 & 1 & 2 \\ 2 & -8 & -3 & 1 \\ 2 & 1 & 2$ 

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 $\frac{3}{b} \frac{Q}{X} = A^{-\frac{1}{2}} \frac{Q}{Q}$   $\frac{b}{A} \frac{B+X}{A} = A^{-\frac{1}{2}} \frac{Q}{A}$   $\frac{C}{X} = B^{-\frac{1}{2}} A^{-\frac{1}{2}}$   $\frac{C}{X} = A^{-\frac{1}{2}} \frac{Q}{A}$   $\frac{C}{X} = A^{-\frac{1}{2}} \frac{Q}{A}$ 

4)a13x-4g

60

0)

61

61

61/1

6

Si

7 IMPOSSIVE 15x+80x

1 X + 2 y 2x - 3 y

X=-7/-7=

136-4

3

2 - 1

(36

3) a) x = A-1 C. B-1
DA(B+X)=A
$\frac{X=I-B}{CX=B^{-1}A^{-1}}$
D) X=(AB). A-1
N = B
$F \mid X = A^{1} \cdot A^{2} \cdot B^{2} \cdot B^{2}$ $F \mid X = A^{1} \cdot A^{2} \cdot B^{2} \cdot B^{2}$
$\frac{4 \cdot 1013x - 4g - 1}{3 - 4} = \frac{3 - 4}{19} = \frac{1 - 4}{3 \cdot 18}$
$\frac{2x+6y=18}{\text{det}=26}  \frac{1200}{\text{det}x=78},  \frac{1}{\text{det}y=52}$
X = 78 - 3, y = 52 = 2,
26
5)5x+811-311 (5-4) (34 G) (5-34)
$\frac{10x + 16 x = 50}{10.16} \left[ \frac{50.16}{10.50} \right]$
del=0 delx=-144 deta=-90
() x > 1 (
$\frac{1}{2x-3y=5} \qquad \frac{1}{2} \qquad \frac{3}{2} \qquad \frac{5}{2} \qquad \frac{2}{2} \qquad \frac{-4}{3} \qquad \frac{1}{2} \qquad \frac{-4}{3} \qquad \frac{1}{2} \qquad \frac{1}{2$
det= -7 detx= -7 dety=+14
x=-7/-7=1 y=-14/-7=2
$\frac{1}{01/3} \cdot \frac{1}{3} \cdot \frac$
$\frac{0}{3} = \frac{3}{2} - \frac{3}{2} = \frac{3}{2} - \frac{3}{2} = \frac{3}$
1 -2 -3 1 -2 1 -4 -2 -3 1 -4 -2 2=1
(36-4+20)- (20+12-12) (96+16-40)-(-80+32+24)
Det=321.
Detz = 32
3
2 -4 -2 1, -4 2 -4 1 -2
(36-16+40)-(20+24-48) (48-8-32)-(-32+24-16)
(30-10+40)-(20+24-48) (48-8-32)-(-32+24-16)

-3

	9
7 - 1   2   2   3   - 1   2   3   - 1	0
3 2-1 9-1 3 9-1 3 3 3 3 3 3 3 3 3	V
$\frac{13}{14}$ $\frac{3}{3}$ $\frac{-2}{13}$ $\frac{3}{3}$ $\frac{-2}{15}$ $\frac{3}{15}$ $\frac{3}{15}$ $\frac{3}{15}$ $\frac{15}{15}$ $\frac{3}{15}$ $\frac{3}{15$	4
(4+18-6)-(319-8) (4+18-27)-(3-36+18) (10+18-6)-1-27-01	4
Detx=10,	1
$\sqrt{1}$ $\times$	
Z -1 9 7 -1 X = Z	
13 3 3 3 3	
[-3+54+12] - (-6+27+12)	
Detz=30	
11 7 4 2 -9-4-26	
1 1 0 3 1 0 1-8 0 3 1-80	
2-4012-4-401-4-4	
13 -2 -5   3 -2   76 -2 -5   76 -2	
(20+0+-12)-(-36+0+0)  +160+0+24)-(-312+0+0)	
Det=44 Detx=176	
1-83/1-8 10-8/10 X=4	
2 -4 0 2 -4 2 -4 2 -4 12 -4 V= 3:	
13 26 -5 / 3 76 1111 - 2 26 / 3 -2 26 / 3 -2 .	
120+01761561-1-36+0801 (-104+0+37)-199	_
Defu = 127	
Vert -1.76	-0.7
/-1. 2 3 1 2	
3 7 7 7	
1.0.25136	
(12+36+18)-(36+12+18)	
Def=0	100
Moro é posivet-por craner	100000
THOSE POR CICAMEN	

X + 4 W = O

Jandaia

2-1/12	5) [3x - 4y = 0   WEIGHTAS COLL =
9 3 2 9	-6x +84=6 INFINITAS SOLUÇÕES
3 - 2 / 3 3	
6)-1-27-9-8)	D/X + 9 + Z=0 /2x+29+42=0 x -xx+9+0=0 INFINITAS
2 Y = 20	2x+2y+42=0 (x,y) 31=0 7=0 x=-4 SOLUÇõES
	$- \times 4432=0$
	$C \setminus \lambda$
	> + 2 + 2 = -44 -44 + 2 = 0 0
	39 4 22
	-3y=-27
	-44 - 9-1-39.3) UNICA SOLUFÃO.
	144=0 SOLUÇÃO NULA
	6 a 3 x + my - 2 3 m + 0 m + -3
	h/2 v . /s: 2 /
	$\frac{013x+(2m-2)\cdot y=1}{3}\frac{3}{3}\frac{3m^2}{4}$
	mx - 4y=0   mx 41.
	2m²2m+12 ≠0 0 SISTEMA É SEMPITE POSSIVEL
	2m-2m+12 +0 0 SISTEMA E SEMPTE POSSIVEL D=(-2)^2-4.2,12=4-96=-92 PARA 1000 MEIR
	DET-21-9-50 - 512 PARA NOUG MEIN
	() V - (, -)
	X - 11 - 2 - 4
	2-4-7
	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	$L_3 - L$
	· m 7-1

888888	
	LISTAY GA
W 1 -1 m 1	THE PARTY
1 m fl	1) X= 2
$\frac{10-1+1}{10-1+1}-(-m-m+0)$	7:-1
$\frac{2m+2}{1-1}$	
$-\infty \neq -1$	
71	
$\frac{1}{6x-70-750} = \frac{8x=750+4500}{8x=1200=1500}$	
$\frac{6x - 2y = 750}{4} \times = \frac{1200}{4} = \frac{150}{4}$	
$8 \times + 9 = 540$ $\times + 9 = 540$ $\times + 9 = 540$	
0.6x+0,2y=300\$ -3x-y=-1500 (g=60 Km)	
200 - 2x - 260	<u>ala-4</u>
x = 480 Km	6 1 3
9 I	
$\frac{1}{2x+5y+10z=500} = \frac{500}{2x-92-y}$	
$\frac{x=2}{x+y+z=92} \qquad \qquad 92-y+5y+5\cdot(92-y)=500$	
	<u> </u>
	- D- D
$\frac{y=52}{7=20}$	
	2
10) x + y=109 -y+7=33 y+65=97 x+32=109	
x + 7 = 142 $2z = 130$ $y = 97-65$ $x = 109-32$	
y + 7 = 97 $z = 65$ $y = 32$ $x = 77$	
Januaia	10