Sistemas Lineares - Regra de Cramer e Escalonamento:

Regra de Cramer:

1.

a)

R: $V = \{(3/5, -4/5)\}$ ou $V = \{(0,6; -0,8)\}$.

b)

R: $V = \{(1,1,-1)\}.$

R: A) 1

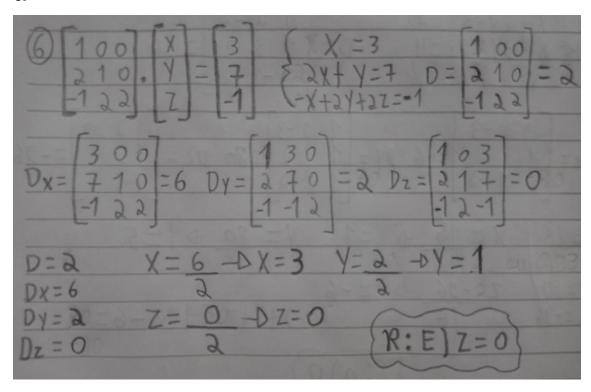
3.

R: C) 0

R: A) 0

5.

R: D) 4/3; 7/3 e -5/3



R: E) Z = 0

Escalonamento:

1.

R: X = -2; Y = 4; Z = -1.

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	x+y+z=11 x+1/2x+1/3x=11
$\frac{\lambda}{X} = Z - D Z = \frac{1}{3}X$	3/2x + 1/3x = 11 11/6x = 11 x = 11 - 6x = 6
$\frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times \frac{1}{3} \times \frac{1}$	11 6
Y=3 Z=2	X + 2 \ + 3 Z 6 + 2 . 3 + 3 . 2 6 + 6 + 6
R: B118	18 Eilib

R: B) 18

3.

R: D) 2

$4 + \beta + C = 68$ $8 + 93.0 = A$ $93A + C = 3B$		+C=3B.5
C=68-A-B C=5A-5B 5A-5B=68-A-B 6A-4B=68.(-10) -60A+40B=-680	A+5.(5A-5B A+25A-25B= 26A=40B 26A-40B=6 	15B -34A=-680 6807 A=-680
26A-40B=0 26.20=40B	$c = 68 - A - B$ $c = 68 - \lambda 0 - 13$ $c = 35$ $c - A$ $35 - \lambda 0$	A=20
(tibe)	R: A1 RJ 15,00 a ments qu	e Coco.

R: A) R\$15,00 a menos que Caco.

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	X=115-57
$ \begin{array}{c ccccc} & & & & & & & \\ & & & &$	2+42=134
y = -182 + 102 $z = 680y = -182 + 10.20y = -182 + 200$	x=115-5.20 $x=115-100$
y=18 $X+y+Z$	X=15
15+18+20 (R:A)53	

R: A) 53