Quit -1 , AT 2 5+8-4 5 -35/56+2 5-25+49A1 35-56+2 5-14-4 25+49+1 49+64+ 4 1+9+16 - 7+16-8 5-14-4 89

> HR CALIBRATION 3.0

ALA	$+2A+tn(A^{T})=[75-89-13]+[10-14]$
PORTUGUES AL MANAGEMENT	-89 117 1-14 16 4
	[-13 21] 2 4 -8
	[45 -63 9]
	+ -63 72 18
	9 18 -36
F	75+10+45 -89-14-63 -13+2+97
= .	-89-14-63 117+16+72 1+4+18

1+4+18

	130	-166	- 2	
=	-166	205	23	(4.)
	-2	23	-9.3	(Law)

-13+2+9

1.
$$x_1 + 2x_2 - 3x_3 + 4x_4 = 2$$

 $2x_4 + 5x_2 - 2x_3 + x_4 = 1$
 $5x_4 + 12x_2 - 7x_3 + 6x_4 = 3$
Augmented matrix: $\begin{bmatrix} 1 & 2 & -3 & 4 & 2 \\ 2 & 5 & -2 & 1 & 1 \end{bmatrix}$

$$\begin{bmatrix} 5 & 12 & -3 & 6 & 3 \end{bmatrix}$$

$$= \begin{bmatrix} 1 & 2 & -3 & 4 & 2 \\ -7 & -3 & 5 & 2 \end{bmatrix} \begin{bmatrix} 2 & 2 & 2 & 2 & 2 \\ 2 & 2 & 2 & 3 \end{bmatrix}$$

$$= \begin{bmatrix} 1 & 2 & -3 & 4 & 2 \\ 0 & 1 & 4 & -7 & -3 & [R_3' = R_3 - 2R_2] \\ \hline 0 & 0 & 0 & 0 & -1 \end{bmatrix}$$

$$\frac{1}{12} \frac{1}{12} \frac$$

CALIBRATION 3.0

Since, 0 +-	1, the	given	system	
has no solut	ions.	Ans)		
		9	8 1 1	
		19		
			1	
		1	1 1	
		1		
		1/-	1	
17				
	3 1 3/1 4			
		10 X 10 A	36	

CALIBRATION 3.0