Name: Robsina Osman Riga ID: 1611446042 Suiz#1 Date: 12 / 11 / 20 Ams to the gues No-1 1. $|x_1 + 2x_2 - 3x_3 + 4x_4 = L$ 2n, + 5n2 - 2n3 + n4=1 5n1 + 12n2 - 7n3 + 6n4 = 3 The augmented metrin 1 2 -3 2 5 -2 4 5 12 -7 adding_2 to the lingt now & Obtain seam adding - 5 to the limit now & obtain third

Protivas

Scanned with Cam

	Date :/
add-2 linds to the zno	I now
obtain 3 rd now	
obtain 3 rd 17000	· 4 2 \ -2 -3
multiply the thind	YOW 64-)
add 3 times to	7 -3
add 3 times to	3 hethind
nou a obtin 2 no	Lodd-2

Scanned with Cam

linm to the thind now & obtain 157 212 - 11 n y - 18 n y | let $n_3 = n n_1 y = J$ $-n_2 = 4n_3 - 7y$ | $-n_1 = 11n_1 - 185$ $n_2 = 4n_3 - 7y$ $n_3 = 7, n_2 5$ add 3 times to the line 7-190 TAGNIAGO

Scanned with Cam

Date:____/____/

$$20 A = \begin{bmatrix} 5 & -7 & 1 \\ -7 & 8 & 2 \\ 1 & -4 \end{bmatrix}$$

Here,
$$2$$
 $A = \begin{bmatrix} 10 & -14 & 2 \\ -14 & -16 & 4 \\ 2 & 4 & 8 \end{bmatrix}$

$$2A = \begin{cases} 16 & -14 & 2 \\ -14 & -16 & 4 \\ 2 & 4 & -8 \end{cases}$$

$$A = \begin{bmatrix} 5 & -7 & 1 \\ -7 & 8 & 2 \\ 1 & 4 & 4 \end{bmatrix}$$