Cramer's Rule

Problem: 2.
$$-GX + 7y + 5Z = 120$$

 $9x + 2y - GZ = 100$
 $-20x - Gy + 70Z = 200$

Here,
$$\begin{bmatrix} -c & 7 & 5 \\ 9 & 2 & -6 \\ -20 & -c & 70 \end{bmatrix} \begin{bmatrix} \chi \\ \gamma \\ Z \end{bmatrix} = \begin{bmatrix} 120 \\ 100 \\ 200 \end{bmatrix}$$

$$A = \begin{bmatrix} -6 & 7 & 5 \\ 9 & 2 & -6 \\ -20 & -6 & 70 \end{bmatrix}$$

$$120 \quad 7 \quad 5 \\ 100 \quad 2 \quad -6 \\ 200 \quad -6 \quad 70$$

$$= \frac{-6820}{-4264} \frac{-49920}{-4264}$$