$$
\begin{bmatrix} 4 & 3 & -5 & 2 \\ -2 & -4 & 5 & 5 \\ 8 & 8 & 0 & -3 \end{bmatrix} \begin{matrix} \cdot\frac{1}{2} \\ +2 \end{matrix} = \begin{bmatrix} 4 & 3 & -5 & 2 \\ 0 & -2.5 & 2.5 & 6 \\ 0 & 2 & 10 & -7 \end{bmatrix} \cdot\frac{4}{5} = \begin{bmatrix} 4 & 3 & -5 & 2 \\ 0 & -2.5 & 2.5 & 6 \\ 0 & 0 & 12 & -2.2 \end{bmatrix} \begin{matrix} \frac{25}{12} \\ \frac{5}{12} \end{matrix}
$$

$$
= \begin{bmatrix} 4 & 3 & 0 & \frac{13}{12} \\ 0 & -2.5 & 0 & \frac{155}{24} \\ 0 & 0 & 12 & -2.2 \end{bmatrix} \begin{matrix} \frac{3}{25} \end{matrix}
$$

$$
= \begin{bmatrix} 4 & 0 & 0 & \frac{53}{6} \\ 0 & -2.5 & 0 & \frac{155}{24} \\ 0 & 0 & 12 & -2.2 \end{bmatrix}
$$

$$
= \begin{bmatrix} 1 & 0 & 0 & \frac{53}{24} \\ 0 & 1 & 0 & -\frac{155}{60} \\ 0 & 0 & 1 & -\frac{22}{120} \end{bmatrix}
$$

$$
= \begin{bmatrix} 1 & 0 & 0 & \frac{53}{24} \\ 0 & 1 & 0 & -\frac{31}{12} \\ 0 & 0 & 1 & -\frac{11}{60} \end{bmatrix}
$$

$$
x_1 = \frac{53}{24}
$$

$$
x_2 = \frac{-31}{12}
$$

$$
x_3 = \frac{-11}{60}
$$