3.c

$$Ux = y$$

$$\begin{bmatrix} -5 & 2 & -1 \\ 0 & 11/5 & 27/5 \\ 0 & 0 & 20/11 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} 0 \\ 5 \\ 1/11 \end{bmatrix}$$

$$\frac{20}{11} x_3 = \frac{1}{11}, \quad \boxed{x_3 = \frac{1}{20}}$$

$$\frac{11}{5} x_2 + \frac{27}{5} x_3 = 5 \qquad x_2 = \frac{5}{11}\left(5 - \frac{27}{5} \cdot \frac{1}{20}\right) = \boxed{2.15}$$

$$-5x_1 + 2x_2 - x_3 = 0 \qquad x_1 = -(-2*2.15 + 1/20) / 5$$

$$= \boxed{0.85}$$