

Determine the solutions of the system of equations whose matrix row is equivalent to

$$\begin{bmatrix} 1 & 0 & -1 & 1 \\ 0 & 1 & 3 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

Give three examples of the solutions. Verify that the solutions satisfy the original system of equations.