

(Q) 1) Is $\begin{pmatrix} 1 & 3 & 5 \\ 0 & 1 & 1 \\ 0 & 0 & 0 \end{pmatrix}$ a row reduced echelon matrix?

Solution: After the first leading coefficient, other entries of the column should be 0. Hence this is not a row-reduced echelon matrix.