

Math 208 Notes

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1 Systems of Linear Equations

1.1 Row Echelon Form (4/8/2025)

A matrix is in row echelon form if:

1. Rows of all zeroes are in the bottom of the matrix.
2. The first non zero element is 1 and the elements below are zero.

Ex.

$$\begin{bmatrix} 1 & 5 & 6 \\ 0 & 1 & 4 \\ 0 & 0 & 1 \\ 0 & 0 & 0 \end{bmatrix} \quad (1)$$