

Section 3.3

Reduced Row Echelon Matrices

Gauss-Jordan Elimination

A linear system of equations has either

A homogeneous linear system

$$\begin{bmatrix} 3 & 7 & -1 \\ 5 & 2 & 8 \end{bmatrix}$$

$$\begin{bmatrix} 5 & 2 & -5 \\ 9 & 4 & -7 \\ 4 & 1 & -7 \end{bmatrix}$$

$$\begin{bmatrix} 1 & -4 & -2 \\ 3 & -12 & 1 \\ 2 & -8 & 5 \end{bmatrix}$$