

Elementary Row Operations

scaling	multiply a row by a number
interchange	switch two rows
replacement	add two rows (and replace one with the sum)
rep. + scl.	add a scaled equation to another

Example: Row Reductions

$$\begin{bmatrix} 2 & 3 & -6 \\ 4 & -5 & 10 \end{bmatrix} \xrightarrow{R_2 - 2R_1} \begin{bmatrix} 2 & 3 & -6 \\ 0 & -11 & 22 \end{bmatrix}$$