

Non-Square Matrices ... Set 1

Nonsquare Systems: Begin by writing the system in row-echelon form, then back-substitute.

$$\begin{array}{l} 21) \quad x - 2y + z = 2 \\ \quad \quad 2x - y - z = 1 \end{array}$$

$$\begin{array}{l} 22) \quad x - y + 4z = 3 \\ \quad \quad 4x \quad \quad -z = 0 \end{array}$$

$$\begin{array}{l} 23) \quad x - 2y + 5z = 2 \\ \quad \quad 4x \quad \quad -z = 0 \end{array}$$

$$\begin{array}{l} 24) \quad 12x + 5y + z = 0 \\ \quad \quad 23x + 4y - z = 0 \end{array}$$

$$\begin{array}{l} 25) \quad 5x - 12y + 7z = 16 \\ \quad \quad 3x - 7y + 4z = 9 \end{array}$$

$$\begin{array}{l} 26) \quad 2x + 5y - 19z = 34 \\ \quad \quad 3x + 8y - 31z = 54 \end{array}$$