

Row Echelon Form ... Set 1

Multivariable Linear Systems

Row-Echelon Form: Solve the system of equations and write your answer as an ordered triple

$$\begin{aligned} 1) \quad x - 2y + 3z &= 9 \\ \quad y + 4z &= 7 \\ \quad \quad z &= 2 \end{aligned}$$

$$\begin{aligned} 2) \quad 2x - y + 5z &= 22 \\ \quad y + 3z &= 6 \\ \quad \quad z &= 3 \end{aligned}$$

$$\begin{aligned} 3) \quad 2x - y + 5z &= 16 \\ \quad y + 2z &= 2 \\ \quad \quad z &= 2 \end{aligned}$$

$$\begin{aligned} 4) \quad 4x - 3y - 2z &= 21 \\ \quad 6y - 5z &= -8 \\ \quad \quad z &= -2 \end{aligned}$$

$$\begin{aligned} 5) \quad 2x + y - 3z &= 10 \\ \quad y + z &= 12 \\ \quad \quad z &= 2 \end{aligned}$$

$$\begin{aligned} 6) \quad x - y + 2z &= 22 \\ \quad 3y - 8z &= -9 \\ \quad \quad z &= -3 \end{aligned}$$

$$\begin{aligned} 7) \quad 4x - 2y + z &= 8 \\ \quad -y + z &= 4 \\ \quad \quad z &= 11 \end{aligned}$$

$$\begin{aligned} 8) \quad 5x - 8z &= 22 \\ \quad 3y - 5z &= 10 \\ \quad \quad z &= -4 \end{aligned}$$

$$\begin{aligned} 9) \quad x - 4y + 3z &= 3 \\ \quad -y + z &= -1 \\ \quad \quad z &= -5 \end{aligned}$$

$$\begin{aligned} 10) \quad x - 7y + 8z &= -14 \\ \quad y - 9z &= 26 \\ \quad \quad z &= -3 \end{aligned}$$