

Section C6 Practice

Solve each system by elimination.

$$\begin{aligned} 1) \quad & 3x - y + 6z = 6 \\ & -3x + y + 5z = -6 \\ & -x - y - 4z = 6 \end{aligned}$$

$$\begin{aligned} 2) \quad & -5x - 5y - z = -9 \\ & -x + 5y + z = 21 \\ & -3x + 5y + 6z = 20 \end{aligned}$$

$$\begin{aligned} 3) \quad & -r - s - 3t = -9 \\ & -5r + 3s = -14 \\ & -2r - 2s + 3t = -9 \end{aligned}$$

$$\begin{aligned} 4) \quad & 3x - 6y + 5z = -30 \\ & -3x - 6y - 2z = -27 \\ & -5x + 5y - 3z = 14 \end{aligned}$$

$$\begin{aligned} 5) \quad & 4a - 6b - c = 29 \\ & -6a - 5b + c = -2 \\ & -a + 3b - 2c = -14 \end{aligned}$$

$$\begin{aligned} 6) \quad & 2x - y - 3z = 15 \\ & x + 6y - 5z = 25 \\ & -2x - 2y - 3z = 15 \end{aligned}$$

$$\begin{aligned} 7) \quad & -3a + 3b + 2c = 0 \\ & -2a - b - 5c = -25 \\ & -2a - 4b - c = -19 \end{aligned}$$

$$\begin{aligned} 8) \quad & 2x - y + 3z = 5 \\ & 5x - y + 2z = 14 \\ & 5x - 5y - 6z = 10 \end{aligned}$$