

## Sistemas Lineales (G)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 4u + 6v + 6z = -1 \\ & 5u + 5v + 3z = -4 \\ & 5u + v + 3z = -12 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2b + 5u + 5z = -17 \\ & 3b + 5u + 4z = -13 \\ & b + 4u + 3z = -8 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4a + 2b + 5v = 14 \\ & 6a + 2b + 4v = 12 \\ & 5a + 5b + v = 12 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4a + 3b + 4z = 8 \\ & 3a + 4b + 6z = 2 \\ & 2a + b + 6z = 10 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4u + 4x + 5y = -9 \\ & 4u + x + 6y = -13 \\ & u + x + 2y = -3 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2b + 5v + 2y = 7 \\ & 3b + v + 6y = 4 \\ & b + 3v + 4y = 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & c + v + 3z = 3 \\ & 3c + 4v + 2z = 1 \\ & c + 2v + 2z = 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4a + 6c + 3z = -2 \\ & 4a + 2c + 5z = 2 \\ & 2a + 6c + 5z = 6 \end{aligned}$$

## Sistemas Lineales (G) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 4u + 6v + 6z = -1 \\ & 5u + 5v + 3z = -4 \\ & 5u + v + 3z = -12 \\ & u = -\frac{5}{2}, v = 2, z = -\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 5. \quad & 2b + 5u + 5z = -17 \\ & 3b + 5u + 4z = -13 \\ & b + 4u + 3z = -8 \\ & b = -1, u = 2, z = -5 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4a + 2b + 5v = 14 \\ & 6a + 2b + 4v = 12 \\ & 5a + 5b + v = 12 \\ & a = 0, b = 2, v = 2 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4a + 3b + 4z = 8 \\ & 3a + 4b + 6z = 2 \\ & 2a + b + 6z = 10 \\ & a = 4, b = -4, z = 1 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4u + 4x + 5y = -9 \\ & 4u + x + 6y = -13 \\ & u + x + 2y = -3 \\ & u = -2, x = 1, y = -1 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2b + 5v + 2y = 7 \\ & 3b + v + 6y = 4 \\ & b + 3v + 4y = 4 \\ & b = 1, v = 1, y = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & c + v + 3z = 3 \\ & 3c + 4v + 2z = 1 \\ & c + 2v + 2z = 1 \\ & c = 1, v = -1, z = 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4a + 6c + 3z = -2 \\ & 4a + 2c + 5z = 2 \\ & 2a + 6c + 5z = 6 \\ & a = -2, c = 0, z = 2 \end{aligned}$$