

Sistemas Lineales (B)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 6a + 3c + 5v = -13 \\ & 4a + 5c + 6v = -9 \\ & 2a + c + 5v = -1 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4b + 4u + 3x = -19 \\ & 4b + 4u + x = -17 \\ & 6b + 4u + 4x = -22 \end{aligned}$$

$$\begin{aligned} 2. \quad & c + 6v + y = 1 \\ & 5c + 6v + 4y = 2 \\ & 6c + 5v + 6y = 6 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4a + 4u + 6v = 8 \\ & 6a + u + 3v = -1 \\ & 6a + 2u + 4v = 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & v + x + 3z = -2 \\ & 4v + 3x + z = -7 \\ & 5v + 5x + z = -10 \end{aligned}$$

$$\begin{aligned} 7. \quad & 3b + 6c + 3u = -24 \\ & b + 4c + u = -16 \\ & 6b + 6c + 5u = -24 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3c + 3u + 3x = 2 \\ & 3c + 3u + 5x = 0 \\ & 6c + 4u + 4x = 4 \end{aligned}$$

$$\begin{aligned} 8. \quad & v + 3x + 2y = -3 \\ & 3v + 3x + 2y = -2 \\ & 3v + 3x + 3y = -3 \end{aligned}$$

Sistemas Lineales (B) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 6a + 3c + 5v = -13 \\ & 4a + 5c + 6v = -9 \\ & 2a + c + 5v = -1 \\ & a = -\frac{5}{2}, c = -1, v = 1 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4b + 4u + 3x = -19 \\ & 4b + 4u + x = -17 \\ & 6b + 4u + 4x = -22 \\ & b = -1, u = -3, x = -1 \end{aligned}$$

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

$$\begin{aligned} 6. \quad & 4a + 4u + 6v = 8 \\ & 6a + u + 3v = -1 \\ & 6a + 2u + 4v = 2 \\ & a = 0, u = 5, v = -2 \end{aligned}$$

$$\begin{aligned} 3. \quad & v + x + 3z = -2 \\ & 4v + 3x + z = -7 \\ & 5v + 5x + z = -10 \\ & v = -1, x = -1, z = 0 \end{aligned}$$

$$\begin{aligned} 7. \quad & 3b + 6c + 3u = -24 \\ & b + 4c + u = -16 \\ & 6b + 6c + 5u = -24 \\ & b = 0, c = -4, u = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3c + 3u + 3x = 2 \\ & 3c + 3u + 5x = 0 \\ & 6c + 4u + 4x = 4 \\ & c = \frac{2}{3}, u = 1, x = -1 \end{aligned}$$

$$\begin{aligned} 8. \quad & v + 3x + 2y = -3 \\ & 3v + 3x + 2y = -2 \\ & 3v + 3x + 3y = -3 \\ & v = \frac{1}{2}, x = -\frac{1}{2}, y = -1 \end{aligned}$$