

Sistemas Lineales (J)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 6u + 4v + 4x = 14 \\ & 3u + 6v + x = 27 \\ & 3u + v + 4x = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2b + 3u + 3z = -25 \\ & 6b + 3u + 5z = -29 \\ & 4b + 5u + 4z = -37 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3a + 5v + 6z = 2 \\ & 4a + 2v + 6z = 10 \\ & 2a + 4v + 2z = -2 \end{aligned}$$

$$\begin{aligned} 6. \quad & a + 6b + 3u = -2 \\ & 3a + 3b + 5u = 5 \\ & 3a + 6b + u = -2 \end{aligned}$$

$$\begin{aligned} 3. \quad & v + 3x + 2y = 11 \\ & 3v + 3x + 5y = 14 \\ & 6v + 6x + 4y = 22 \end{aligned}$$

$$\begin{aligned} 7. \quad & c + 2y + 6z = -23 \\ & 6c + y + 5z = -27 \\ & 5c + 2y + 2z = -7 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4c + u + x = 9 \\ & 4c + 2u + 4x = 12 \\ & 3c + 4u + 6x = 12 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4c + 2x + 5y = 1 \\ & 3c + x + 6y = 0 \\ & 4c + 6x + y = 7 \end{aligned}$$

Sistemas Lineales (J) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 6u + 4v + 4x = 14 \\ & 3u + 6v + x = 27 \\ & 3u + v + 4x = 2 \\ & u = -1, v = 5, x = 0 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2b + 3u + 3z = -25 \\ & 6b + 3u + 5z = -29 \\ & 4b + 5u + 4z = -37 \\ & b = 1, u = -5, z = -4 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3a + 5v + 6z = 2 \\ & 4a + 2v + 6z = 10 \\ & 2a + 4v + 2z = -2 \\ & a = 2, v = -2, z = 1 \end{aligned}$$

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

$$\begin{aligned} 3. \quad & v + 3x + 2y = 11 \\ & 3v + 3x + 5y = 14 \\ & 6v + 6x + 4y = 22 \\ & v = 0, x = 3, y = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & c + 2y + 6z = -23 \\ & 6c + y + 5z = -27 \\ & 5c + 2y + 2z = -7 \\ & c = -1, y = 4, z = -5 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4c + u + x = 9 \\ & 4c + 2u + 4x = 12 \\ & 3c + 4u + 6x = 12 \\ & c = 2, u = 0, x = 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4c + 2x + 5y = 1 \\ & 3c + x + 6y = 0 \\ & 4c + 6x + y = 7 \\ & c = -\frac{1}{2}, x = \frac{3}{2}, y = 0 \end{aligned}$$