

Sistemas Lineales (E)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 5u + 4x + 5z = -25 \\ & 5u + 4x = -5 \\ & 6u = -6 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5b + 2v + 5z = 5 \\ & 2b + 4v = 4 \\ & 3b = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & c + 6v + 4x = 8 \\ & 3c + 6v = 6 \\ & 2c = 2 \end{aligned}$$

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

$$\begin{aligned} 3. \quad & 6v + 6x + 5z = -19 \\ & 3v + 5x = 7 \\ & 2v = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad & 6b + 4v + 2y = -28 \\ & 5b + 6v = -19 \\ & 3b = -15 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2u + 5x + 2z = -4 \\ & 4u + x = 0 \\ & 5u = 0 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5a + 2c + 6x = -9 \\ & a + 5c = 4 \\ & 2a = -2 \end{aligned}$$

Sistemas Lineales (E) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned}1. \quad & 5u + 4x + 5z = -25 \\ & 5u + 4x = -5 \\ & 6u = -6 \\ & u = -1, x = 0, z = -4\end{aligned}$$

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

$$\begin{aligned}2. \quad & c + 6v + 4x = 8 \\ & 3c + 6v = 6 \\ & 2c = 2 \\ & c = 1, v = \frac{1}{2}, x = 1\end{aligned}$$

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

$$\begin{aligned}3. \quad & 6v + 6x + 5z = -19 \\ & 3v + 5x = 7 \\ & 2v = -2 \\ & v = -1, x = 2, z = -5\end{aligned}$$

$$\begin{aligned}7. \quad & 6b + 4v + 2y = -28 \\ & 5b + 6v = -19 \\ & 3b = -15 \\ & b = -5, v = 1, y = -1\end{aligned}$$

$$\begin{aligned}4. \quad & 2u + 5x + 2z = -4 \\ & 4u + x = 0 \\ & 5u = 0 \\ & u = 0, x = 0, z = -2\end{aligned}$$

$$\begin{aligned}8. \quad & 5a + 2c + 6x = -9 \\ & a + 5c = 4 \\ & 2a = -2 \\ & a = -1, c = 1, x = -1\end{aligned}$$