

Sistemas Lineales (I)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 2a + 5x + 6y = -8 \\ & 2a + 2x + 4y = 2 \\ & 2a + 6x + 4y = -10 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5c + 4v + 5z = -10 \\ & c + 4v + 5z = -6 \\ & 5c + 3v + 4z = -9 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4a + c + 2v = -15 \\ & 2a + 2c + 5v = -6 \\ & 5a + 3c + 4v = -17 \end{aligned}$$

$$\begin{aligned} 6. \quad & b + 5c + 4y = 10 \\ & 3b + 3c + 6y = 6 \\ & 4b + 4c + 6y = 8 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4b + y + 2z = -6 \\ & 6b + 5y + 3z = -9 \\ & 2b + 3y + 2z = 0 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5b + 2u + 4y = 5 \\ & b + 5u + 6y = 24 \\ & 3b + 6u + 4y = 27 \end{aligned}$$

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

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

Sistemas Lineales (I) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 2a + 5x + 6y = -8 \\ & 2a + 2x + 4y = 2 \\ & 2a + 6x + 4y = -10 \\ & a = 5, x = -3, y = -\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 5. \quad & 5c + 4v + 5z = -10 \\ & c + 4v + 5z = -6 \\ & 5c + 3v + 4z = -9 \\ & c = -1, v = 0, z = -1 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4a + c + 2v = -15 \\ & 2a + 2c + 5v = -6 \\ & 5a + 3c + 4v = -17 \\ & a = -4, c = 1, v = 0 \end{aligned}$$

$$\begin{aligned} 6. \quad & b + 5c + 4y = 10 \\ & 3b + 3c + 6y = 6 \\ & 4b + 4c + 6y = 8 \\ & b = 0, c = 2, y = 0 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4b + y + 2z = -6 \\ & 6b + 5y + 3z = -9 \\ & 2b + 3y + 2z = 0 \\ & b = -3, y = 0, z = 3 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5b + 2u + 4y = 5 \\ & b + 5u + 6y = 24 \\ & 3b + 6u + 4y = 27 \\ & b = -1, u = 5, y = 0 \end{aligned}$$

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

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