

## Sistemas Lineales (I)

Resuelva cada sistema de ecuaciones.

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

$$\begin{aligned} 5. \quad & 4b + 3u + 5v = 15 \\ & 6b + u = -4 \\ & 2b = -1 \end{aligned}$$

$$\begin{aligned} 2. \quad & u + 6y + 4z = 30 \\ & 6u + 4y = 20 \\ & 2u = 0 \end{aligned}$$

$$\begin{aligned} 6. \quad & a + 3y + 6z = -9 \\ & 5a + 6y = -11 \\ & 6a = -6 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4v + y + 2z = -10 \\ & 5v + 6y = 0 \\ & 5v = 0 \end{aligned}$$

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

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

$$\begin{aligned} 8. \quad & 6c + 5x + 6z = -23 \\ & 6c + x = -13 \\ & 4c = -8 \end{aligned}$$

## Sistemas Lineales (I) Respuestas

Resuelva cada sistema de ecuaciones.

1.  $u + x + 2y = 2$

$$6u + 4x = -2$$

$$3u = -3$$

$$u = -1, x = 1, y = 1$$

5.  $4b + 3u + 5v = 15$

$$6b + u = -4$$

$$2b = -1$$

$$b = -\frac{1}{2}, u = -1, v = 4$$

2.  $u + 6y + 4z = 30$

$$6u + 4y = 20$$

$$2u = 0$$

$$u = 0, y = 5, z = 0$$

6.  $a + 3y + 6z = -9$

$$5a + 6y = -11$$

$$6a = -6$$

$$a = -1, y = -1, z = -\frac{5}{6}$$

3.  $4v + y + 2z = -10$

$$5v + 6y = 0$$

$$5v = 0$$

$$v = 0, y = 0, z = -5$$

7.  $5v + x + 5z = 4$

$$v + 4x = -4$$

$$3v = 0$$

$$v = 0, x = -1, z = 1$$

4.  $2b + 4x + 5y = 5$

$$4b + 6x = 1$$

$$5b = 5$$

$$b = 1, x = -\frac{1}{2}, y = 1$$

8.  $6c + 5x + 6z = -23$

$$6c + x = -13$$

$$4c = -8$$

$$c = -2, x = -1, z = -1$$