

## Sistemas Lineales (I)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 6a + 4c + u = 56 \\ & 5a + 5c + 6u = 74 \\ & a + c + 4u = 26 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4a + x + 6y = 44 \\ & 5a + 6x + y = 45 \\ & 6a + x + y = 41 \end{aligned}$$

$$\begin{aligned} 2. \quad & 5a + c + 3v = 28 \\ & 2a + 6c + 3v = 52 \\ & 4a + 6c + v = 48 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6b + 3y + 3z = 45 \\ & 3b + y + 3z = 23 \\ & 2b + 6y + 3z = 44 \end{aligned}$$

$$\begin{aligned} 3. \quad & 2a + 4b + 6c = 46 \\ & 5a + 3b + 4c = 40 \\ & 4a + b + 6c = 32 \end{aligned}$$

$$\begin{aligned} 7. \quad & 4c + 5u + 3v = 27 \\ & 6c + 3u + v = 15 \\ & c + 6u + 2v = 19 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3a + 3y + 5z = 48 \\ & 2a + 6y + z = 34 \\ & 4a + 5y + z = 34 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2u + 6y + 3z = 33 \\ & 4u + y + 4z = 31 \\ & 2u + 4y + 4z = 28 \end{aligned}$$

## Sistemas Lineales (I) Respuestas

Resuelva cada sistema de ecuaciones.

1.  $6a + 4c + u = 56$   
 $5a + 5c + 6u = 74$   
 $a + c + 4u = 26$   
 $a = 6, c = 4, u = 4$

5.  $4a + x + 6y = 44$   
 $5a + 6x + y = 45$   
 $6a + x + y = 41$   
 $a = 6, x = 2, y = 3$

2.  $5a + c + 3v = 28$   
 $2a + 6c + 3v = 52$   
 $4a + 6c + v = 48$   
 $a = 2, c = 6, v = 4$

6.  $6b + 3y + 3z = 45$   
 $3b + y + 3z = 23$   
 $2b + 6y + 3z = 44$   
 $b = 4, y = 5, z = 2$

3.  $2a + 4b + 6c = 46$   
 $5a + 3b + 4c = 40$   
 $4a + b + 6c = 32$   
 $a = 2, b = 6, c = 3$

7.  $4c + 5u + 3v = 27$   
 $6c + 3u + v = 15$   
 $c + 6u + 2v = 19$   
 $c = 1, u = 1, v = 6$

4.  $3a + 3y + 5z = 48$   
 $2a + 6y + z = 34$   
 $4a + 5y + z = 34$   
 $a = 2, y = 4, z = 6$

8.  $2u + 6y + 3z = 33$   
 $4u + y + 4z = 31$   
 $2u + 4y + 4z = 28$   
 $u = 6, y = 3, z = 1$