

## Sistemas Lineales (A)

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 3b + 3c + 5z = 43 \\ & 6b + c + 6z = 61 \\ & 2b + c + 6z = 41 \end{aligned}$$

$$\begin{aligned} 5. \quad & 3b + 2c + 6y = 45 \\ & 2b + 5c + 2y = 46 \\ & 6b + 6c + 6y = 84 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2u + 5x + 3z = 24 \\ & 2u + x + 4z = 18 \\ & 2u + x + z = 12 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6b + x + 4z = 43 \\ & 6b + 6x + 3z = 42 \\ & 5b + 5x + z = 26 \end{aligned}$$

$$\begin{aligned} 3. \quad & a + 2b + 3x = 25 \\ & 5a + b + x = 37 \\ & 6a + 3b + 6x = 72 \end{aligned}$$

$$\begin{aligned} 7. \quad & 3b + 5u + 5y = 67 \\ & 2b + 2u + 2y = 30 \\ & 2b + 4u + 6y = 62 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2a + u + 4z = 34 \\ & 2a + 4u + 6z = 58 \\ & 4a + u + 4z = 40 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3c + 3x + 6y = 42 \\ & 5c + 2x + y = 40 \\ & 6c + 6x + 4y = 68 \end{aligned}$$

## Sistemas Lineales (A) Respuestas

Resuelva cada sistema de ecuaciones.

1.  $3b + 3c + 5z = 43$   
 $6b + c + 6z = 61$   
 $2b + c + 6z = 41$   
 $b = 5, c = 1, z = 5$

5.  $3b + 2c + 6y = 45$   
 $2b + 5c + 2y = 46$   
 $6b + 6c + 6y = 84$   
 $b = 5, c = 6, y = 3$

2.  $2u + 5x + 3z = 24$   
 $2u + x + 4z = 18$   
 $2u + x + z = 12$   
 $u = 4, x = 2, z = 2$

6.  $6b + x + 4z = 43$   
 $6b + 6x + 3z = 42$   
 $5b + 5x + z = 26$   
 $b = 3, x = 1, z = 6$

3.  $a + 2b + 3x = 25$   
 $5a + b + x = 37$   
 $6a + 3b + 6x = 72$   
 $a = 6, b = 2, x = 5$

7.  $3b + 5u + 5y = 67$   
 $2b + 2u + 2y = 30$   
 $2b + 4u + 6y = 62$   
 $b = 4, u = 6, y = 5$

4.  $2a + u + 4z = 34$   
 $2a + 4u + 6z = 58$   
 $4a + u + 4z = 40$   
 $a = 3, u = 4, z = 6$

8.  $3c + 3x + 6y = 42$   
 $5c + 2x + y = 40$   
 $6c + 6x + 4y = 68$   
 $c = 6, x = 4, y = 2$