

Sistemas Lineales (C)

Resuelva cada sistema de ecuaciones.

1. $6a + b + 5c = 63$
 $5a + 2b + 2c = 44$
 $3a + 2b + 5c = 47$

5. $a + 3v + 2z = 29$
 $4a + 2v + 4z = 36$
 $2a + 5v + 2z = 42$

2. $5a + 5c + 4x = 51$
 $3a + 4c + x = 30$
 $4a + 2c + x = 22$

6. $2b + u + 3x = 14$
 $6b + u + 2x = 16$
 $5b + 2u + 6x = 29$

3. $3a + 2c + 3u = 23$
 $3a + c + 5u = 34$
 $2a + 5c + 4u = 31$

7. $3a + 6c + 2v = 60$
 $3a + 3c + v = 39$
 $2a + 4c + v = 39$

4. $3b + 5c + 3z = 56$
 $6b + 3c + 6z = 84$
 $3b + c + 6z = 58$

8. $4a + 2y + 2z = 20$
 $2a + y + 6z = 20$
 $a + 6y + 2z = 41$

Sistemas Lineales (C) Respuestas

Resuelva cada sistema de ecuaciones.

$$\begin{aligned} 1. \quad & 6a + b + 5c = 63 \\ & 5a + 2b + 2c = 44 \\ & 3a + 2b + 5c = 47 \\ & a = 6, b = 2, c = 5 \end{aligned}$$

$$\begin{aligned} 5. \quad & a + 3v + 2z = 29 \\ & 4a + 2v + 4z = 36 \\ & 2a + 5v + 2z = 42 \\ & a = 1, v = 6, z = 5 \end{aligned}$$

$$\begin{aligned} 2. \quad & 5a + 5c + 4x = 51 \\ & 3a + 4c + x = 30 \\ & 4a + 2c + x = 22 \\ & a = 2, c = 5, x = 4 \end{aligned}$$

$$\begin{aligned} 6. \quad & 2b + u + 3x = 14 \\ & 6b + u + 2x = 16 \\ & 5b + 2u + 6x = 29 \\ & b = 1, u = 6, x = 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3a + 2c + 3u = 23 \\ & 3a + c + 5u = 34 \\ & 2a + 5c + 4u = 31 \\ & a = 1, c = 1, u = 6 \end{aligned}$$

$$\begin{aligned} 7. \quad & 3a + 6c + 2v = 60 \\ & 3a + 3c + v = 39 \\ & 2a + 4c + v = 39 \\ & a = 6, c = 6, v = 3 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3b + 5c + 3z = 56 \\ & 6b + 3c + 6z = 84 \\ & 3b + c + 6z = 58 \\ & b = 6, c = 4, z = 6 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4a + 2y + 2z = 20 \\ & 2a + y + 6z = 20 \\ & a + 6y + 2z = 41 \\ & a = 1, y = 6, z = 2 \end{aligned}$$