

## Sistemas Lineales (D)

Resuelva cada sistema de ecuaciones.

1.  $4b + 5x + 5z = 52$   
 $6b + 6x + 2z = 54$   
 $2b + 2x + z = 19$

5.  $3a + 4b + 4x = 33$   
 $3a + 4b + 3x = 31$   
 $5a + 4b + 2x = 35$

2.  $3b + 5u + v = 51$   
 $6b + 2u + 4v = 66$   
 $3b + 4u + 3v = 57$

6.  $5a + 6b + 5c = 32$   
 $5a + b + c = 10$   
 $5a + 5b + 3c = 24$

3.  $2b + 5c + 3x = 34$   
 $b + 3c + 3x = 24$   
 $5b + c + 4x = 48$

7.  $3b + 3v + 2x = 28$   
 $6b + 3v + 5x = 49$   
 $2b + 3v + 4x = 27$

4.  $6b + 4x + 2z = 30$   
 $2b + 2x + z = 14$   
 $6b + 3x + 3z = 33$

8.  $2u + 4v + 3z = 20$   
 $2u + 6v + 5z = 30$   
 $4u + 6v + 6z = 34$

## Sistemas Lineales (D) Respuestas

Resuelva cada sistema de ecuaciones.

1.  $4b + 5x + 5z = 52$   
 $6b + 6x + 2z = 54$   
 $2b + 2x + z = 19$   
 $b = 3, x = 5, z = 3$

5.  $3a + 4b + 4x = 33$   
 $3a + 4b + 3x = 31$   
 $5a + 4b + 2x = 35$   
 $a = 3, b = 4, x = 2$

2.  $3b + 5u + v = 51$   
 $6b + 2u + 4v = 66$   
 $3b + 4u + 3v = 57$   
 $b = 5, u = 6, v = 6$

6.  $5a + 6b + 5c = 32$   
 $5a + b + c = 10$   
 $5a + 5b + 3c = 24$   
 $a = 1, b = 2, c = 3$

3.  $2b + 5c + 3x = 34$   
 $b + 3c + 3x = 24$   
 $5b + c + 4x = 48$   
 $b = 6, c = 2, x = 4$

7.  $3b + 3v + 2x = 28$   
 $6b + 3v + 5x = 49$   
 $2b + 3v + 4x = 27$   
 $b = 5, v = 3, x = 2$

4.  $6b + 4x + 2z = 30$   
 $2b + 2x + z = 14$   
 $6b + 3x + 3z = 33$   
 $b = 1, x = 3, z = 6$

8.  $2u + 4v + 3z = 20$   
 $2u + 6v + 5z = 30$   
 $4u + 6v + 6z = 34$   
 $u = 1, v = 3, z = 2$