

Linear Systems (G)

Solve each system of equations.

1. $4b + 4u + 5z = 25$
 $b + 2u + 5z = 11$
 $5b + 5u + z = 26$

5. $6c + 2x + 2y = 36$
 $4c + 5x + 6y = 36$
 $2c + 6x + 3y = 25$

2. $5b + 2v + 6x = 44$
 $b + 4v + 6x = 40$
 $5b + 5v + x = 52$

6. $4a + 5u + 5y = 66$
 $a + 2u + 3y = 30$
 $4a + 2u + 6y = 60$

3. $4a + x + 5z = 18$
 $6a + 2x + 2z = 22$
 $3a + 4x + 5z = 18$

7. $4a + c + 5u = 38$
 $a + c + 6u = 33$
 $5a + 5c + 4u = 61$

4. $3a + b + 2y = 25$
 $6a + 3b + 3y = 51$
 $2a + 4b + 6y = 60$

8. $b + 4c + 3v = 30$
 $4b + 2c + 3v = 28$
 $3b + 2c + v = 18$

Linear Systems (G) Answers

Solve each system of equations.

1. $4b + 4u + 5z = 25$
 $b + 2u + 5z = 11$
 $5b + 5u + z = 26$
 $b = 4, u = 1, z = 1$

5. $6c + 2x + 2y = 36$
 $4c + 5x + 6y = 36$
 $2c + 6x + 3y = 25$
 $c = 5, x = 2, y = 1$

2. $5b + 2v + 6x = 44$
 $b + 4v + 6x = 40$
 $5b + 5v + x = 52$
 $b = 4, v = 6, x = 2$

6. $4a + 5u + 5y = 66$
 $a + 2u + 3y = 30$
 $4a + 2u + 6y = 60$
 $a = 4, u = 4, y = 6$

3. $4a + x + 5z = 18$
 $6a + 2x + 2z = 22$
 $3a + 4x + 5z = 18$
 $a = 3, x = 1, z = 1$

7. $4a + c + 5u = 38$
 $a + c + 6u = 33$
 $5a + 5c + 4u = 61$
 $a = 3, c = 6, u = 4$

4. $3a + b + 2y = 25$
 $6a + 3b + 3y = 51$
 $2a + 4b + 6y = 60$
 $a = 3, b = 6, y = 5$

8. $b + 4c + 3v = 30$
 $4b + 2c + 3v = 28$
 $3b + 2c + v = 18$
 $b = 2, c = 4, v = 4$