

Linear Systems (G)

Solve each system of equations.

1. $b + 4c + 4y = 33$
 $5b + 5c = 40$
 $2b = 10$

5. $5b + 2u + 6v = 44$
 $3b + u = 18$
 $3b = 12$

2. $4u + 6v + 6y = 54$
 $3u + 5v = 38$
 $3u = 18$

6. $5a + 4b + 2v = 28$
 $2a + 2b = 8$
 $5a = 10$

3. $4c + 6v + 5x = 74$
 $4c + 4v = 44$
 $2c = 12$

7. $3v + 6y + 6z = 72$
 $6v + y = 30$
 $5v = 20$

4. $3x + 4y + 2z = 44$
 $x + 2y = 16$
 $5x = 30$

8. $4v + 4x + 2y = 28$
 $2v + 4x = 16$
 $4v = 16$

Linear Systems (G) Answers

Solve each system of equations.

1. $b + 4c + 4y = 33$
 $5b + 5c = 40$
 $2b = 10$
 $b = 5, c = 3, y = 4$

5. $5b + 2u + 6v = 44$
 $3b + u = 18$
 $3b = 12$
 $b = 4, u = 6, v = 2$

2. $4u + 6v + 6y = 54$
 $3u + 5v = 38$
 $3u = 18$
 $u = 6, v = 4, y = 1$

6. $5a + 4b + 2v = 28$
 $2a + 2b = 8$
 $5a = 10$
 $a = 2, b = 2, v = 5$

3. $4c + 6v + 5x = 74$
 $4c + 4v = 44$
 $2c = 12$
 $c = 6, v = 5, x = 4$

7. $3v + 6y + 6z = 72$
 $6v + y = 30$
 $5v = 20$
 $v = 4, y = 6, z = 4$

4. $3x + 4y + 2z = 44$
 $x + 2y = 16$
 $5x = 30$
 $x = 6, y = 5, z = 3$

8. $4v + 4x + 2y = 28$
 $2v + 4x = 16$
 $4v = 16$
 $v = 4, x = 2, y = 2$