Linear Systems (H)

Solve each system of equations.

1. $6x + y + 3z = 48$
   $2x + 3y + 4z = 50$
   $4x + 5y + 2z = 58$

2. $5c + 2v + 2y = 21$
   $5c + 4v + 3y = 26$
   $5c + 2v + 3y = 22$

3. $b + 5u + 3z = 38$
   $4b + 5u + 4z = 52$
   $b + 6u + 3z = 42$

4. $5u + 3v + 6x = 14$
   $5u + v + 6x = 12$
   $4u + 4v + 6x = 14$

5. $4b + u + 6y = 41$
   $4b + 2u + 3y = 34$
   $5b + 5u + 2y = 48$

6. $6c + 4x + z = 48$
   $2c + 5x + 3z = 34$
   $6c + 3x + 4z = 58$

7. $3u + 4x + 5z = 50$
   $4u + 4x + 6z = 56$
   $2u + 6x + z = 44$

8. $4u + 3x + 3z = 27$
   $2u + x + 5z = 23$
   $u + 5x + 2z = 19$

Linear Systems (H) Answers

Solve each system of equations.

1. $6x+y+3z=48$
   $2x+3y+4z=50$
   $4x+5y+2z=58$
   $x=4, y=6, z=6$

2. $5c+2v+2y=21$
   $5c+4v+3y=26$
   $5c+2v+3y=22$
   $c=3, v=2, y=1$

3. $b+5u+3z=38$
   $4b+5u+4z=52$
   $b+6u+3z=42$
   $b=3, u=4, z=5$

4. $5u+3v+6x=14$
   $5u+v+6x=12$
   $4u+4v+6x=14$
   $u=1, v=1, x=1$

5. $4b+u+6y=41$
   $4b+2u+3y=34$
   $5b+5u+2y=48$
   $b=3, u=5, y=4$

6. $6c+4x+z=48$
   $2c+5x+3z=34$
   $6c+3x+4z=58$
   $c=6, x=2, z=4$

7. $3u+4x+5z=50$
   $4u+4x+6z=56$
   $2u+6x+z=44$
   $u=2, x=6, z=4$

8. $4u+3x+3z=27$
   $2u+x+5z=23$
   $u+5x+2z=19$
   $u=3, x=2, z=3$