Linear Systems (B)

Solve each system of equations.

1. $3a + 5u + 3x = 42$
   $5a + 6u = 48$
   $4a = 24$

2. $5a + 4c + z = 49$
   $4a + 6c = 48$
   $4a = 24$

3. $3c + 4v + 2y = 34$
   $5c + 4v = 42$
   $5c = 30$

4. $2b + 2v + 2z = 22$
   $6b + 5v = 37$
   $2b = 4$

5. $v + 3x + 6y = 51$
   $5v + 6x = 51$
   $2v = 6$

6. $2b + 6c + x = 46$
   $5b + 3c = 28$
   $b = 2$

7. $5a + 5b + 3z = 73$
   $a + 2b = 17$
   $2a = 10$

8. $3a + 6u + 3y = 51$
   $6a + 5u = 56$
   $6a = 36$

Linear Systems (B) Answers

Solve each system of equations.

1. $3a+5u+3x=42$
   $5a+6u=48$
   $4a=24$
   $a=6, u=3, x=3$

2. $5a+4c+z=49$
   $4a+6c=48$
   $4a=24$
   $a=6, c=4, z=3$

3. $3c+4v+2y=34$
   $5c+4v=42$
   $5c=30$
   $c=6, v=3, y=2$

4. $2b+2v+2z=22$
   $6b+5v=37$
   $2b=4$
   $b=2, v=5, z=4$

5. $v+3x+6y=51$
   $5v+6x=51$
   $2v=6$
   $v=3, x=6, y=5$

6. $2b+6c+x=46$
   $5b+3c=28$
   $b=2$
   $b=2, c=6, x=6$

7. $5a+5b+3z=73$
   $a+2b=17$
   $2a=10$
   $a=5, b=6, z=6$

8. $3a+6u+3y=51$
   $6a+5u=56$
   $6a=36$
   $a=6, u=4, y=3$