Linear Systems (I)

Solve each system of equations.

1. $3a+6b+2z=29$
   $a+3b=8$
   $a=5$

2. $3b+5v+5y=32$
   $6b+6v=42$
   $2b=8$

3. $4a+4u+5y=74$
   $5a+u=31$
   $a=5$

4. $3a+5c+3z=48$
   $6a+5c=60$
   $3a=15$

5. $3u+2v+x=17$
   $5u+4v=21$
   $5u=5$

6. $6b+3c+2u=21$
   $b+3c=10$
   $4b=4$

7. $6a+3v+5x=44$
   $3a+5v=33$
   $2a=2$

8. $u+6y+z=18$
   $6u+6y=42$
   $6u=36$

Linear Systems (I) Answers

Solve each system of equations.

1. $3a+6b+2z=29$
   $a+3b=8$
   $a=5$
   $a=5, b=1, z=4$

2. $3b+5v+5y=32$
   $6b+6v=42$
   $2b=8$
   $b=4, v=3, y=1$

3. $4a+4u+5y=74$
   $5a+u=31$
   $a=5$
   $a=5, u=6, y=6$

4. $3a+5c+3z=48$
   $6a+5c=60$
   $3a=15$
   $a=5, c=6, z=1$

5. $3u+2v+x=17$
   $5u+4v=21$
   $5u=5$
   $u=1, v=4, x=6$

6. $6b+3c+2u=21$
   $b+3c=10$
   $4b=4$
   $b=1, c=3, u=3$

7. $6a+3v+5x=44$
   $3a+5v=33$
   $2a=2$
   $a=1, v=6, x=4$

8. $u+6y+z=18$
   $6u+6y=42$
   $6u=36$
   $u=6, y=1, z=6$