

Linear Systems (I)

Solve each system of equations.

1. $2b + 3c + 5y = 43$
 $5b + 2c + 2y = 44$
 $4b + c + 4y = 46$

5. $3c + 4u + 2v = 28$
 $c + 6u + v = 29$
 $6c + 2u + 5v = 35$

2. $3a + 6b + 6z = 36$
 $6a + b + 4z = 42$
 $5a + 4b + 2z = 40$

6. $5u + x + 6y = 51$
 $6u + x + y = 23$
 $5u + 6x + 2y = 52$

3. $6v + 5x + 2y = 34$
 $v + 3x + 6y = 20$
 $3v + 5x + 4y = 30$

7. $6u + 2y + 4z = 42$
 $5u + 3y + z = 29$
 $4u + 4y + 3z = 46$

4. $4a + 4v + 3y = 46$
 $4a + 3v + 5y = 53$
 $5a + 4v + y = 36$

8. $a + 5v + 3z = 19$
 $a + 5v + 6z = 22$
 $3a + v + 2z = 8$