

Linear Systems (J)

Solve each system of equations.

1. $6u + y = 31$
 $3u + 6y = 21$

5. $4a + 6u = 48$
 $5a + 6u = 51$

2. $v + 4z = 21$
 $2v + 6z = 34$

6. $3a + 4v = 23$
 $6a + 6v = 36$

3. $4b + 2y = 22$
 $4b + 6y = 34$

7. $u + 3x = 14$
 $6u + 2x = 20$

4. $5c + 6z = 45$
 $6c + z = 23$

8. $4b + 3y = 14$
 $4b + 5y = 18$

Linear Systems (J) Answers

Solve each system of equations.

1. $6u + y = 31$
 $3u + 6y = 21$
 $u = 5, y = 1$

5. $4a + 6u = 48$
 $5a + 6u = 51$
 $a = 3, u = 6$

2. $v + 4z = 21$
 $2v + 6z = 34$
 $v = 5, z = 4$

6. $3a + 4v = 23$
 $6a + 6v = 36$
 $a = 1, v = 5$

3. $4b + 2y = 22$
 $4b + 6y = 34$
 $b = 4, y = 3$

7. $u + 3x = 14$
 $6u + 2x = 20$
 $u = 2, x = 4$

4. $5c + 6z = 45$
 $6c + z = 23$
 $c = 3, z = 5$

8. $4b + 3y = 14$
 $4b + 5y = 18$
 $b = 2, y = 2$