

Linear Systems (H)

Solve each system of equations.

1. $2c + 5v = 9$
 $c + 4v = 6$

5. $6a + 6v = 36$
 $6a + 3v = 33$

2. $5x + 6y = 35$
 $3x + 4y = 23$

6. $6v + 4z = 30$
 $5v + 3z = 23$

3. $4u + 5v = 46$
 $2u + 5v = 38$

7. $3a + 4b = 36$
 $4a + 5b = 46$

4. $2a + 5u = 23$
 $3a + u = 15$

8. $v + 6x = 17$
 $v + x = 7$

Linear Systems (H) Answers

Solve each system of equations.

1. $2c + 5v = 9$
 $c + 4v = 6$
 $c = 2, v = 1$

5. $6a + 6v = 36$
 $6a + 3v = 33$
 $a = 5, v = 1$

2. $5x + 6y = 35$
 $3x + 4y = 23$
 $x = 1, y = 5$

6. $6v + 4z = 30$
 $5v + 3z = 23$
 $v = 1, z = 6$

3. $4u + 5v = 46$
 $2u + 5v = 38$
 $u = 4, v = 6$

7. $3a + 4b = 36$
 $4a + 5b = 46$
 $a = 4, b = 6$

4. $2a + 5u = 23$
 $3a + u = 15$
 $a = 4, u = 3$

8. $v + 6x = 17$
 $v + x = 7$
 $v = 5, x = 2$