

Linear Systems (G)

Solve each system of equations.

1. $b + 2x = 5$
 $5b + 6x = 21$

5. $5u + v = 23$
 $u + 6v = 22$

2. $6v + 3y = 36$
 $2v + 3y = 20$

6. $2x + 2y = 16$
 $6x + 5y = 45$

3. $3a + 5c = 27$
 $6a + 6c = 42$

7. $3a + 2v = 17$
 $2a + 2v = 14$

4. $6x + 4y = 26$
 $3x + 3y = 15$

8. $c + 2z = 5$
 $6c + 6z = 18$

Linear Systems (G) Answers

Solve each system of equations.

1. $b + 2x = 5$
 $5b + 6x = 21$
 $b = 3, x = 1$

5. $5u + v = 23$
 $u + 6v = 22$
 $u = 4, v = 3$

2. $6v + 3y = 36$
 $2v + 3y = 20$
 $v = 4, y = 4$

6. $2x + 2y = 16$
 $6x + 5y = 45$
 $x = 5, y = 3$

3. $3a + 5c = 27$
 $6a + 6c = 42$
 $a = 4, c = 3$

7. $3a + 2v = 17$
 $2a + 2v = 14$
 $a = 3, v = 4$

4. $6x + 4y = 26$
 $3x + 3y = 15$
 $x = 3, y = 2$

8. $c + 2z = 5$
 $6c + 6z = 18$
 $c = 1, z = 2$