Linear Systems (B)

Solve each system of equations.

1. $5a + y = 15$
   $2a + 6y = 34$

2. $2v + 3x = 8$
   $3v + 6x = 15$

3. $u + 5x = 35$
   $4u + 2x = 32$

4. $2b + 6y = 42$
   $2b + 4y = 30$

5. $4b + 3v = 29$
   $6b + 3v = 39$

6. $2c + 6y = 16$
   $6c + y = 31$

7. $4u + 5z = 37$
   $2u + 3z = 21$

8. $2y + 5z = 13$
   $y + 6z = 10$

Linear Systems (B) Answers

Solve each system of equations.

1. $5a + y = 15$
   $2a + 6y = 34$
   $a = 2, y = 5$

2. $2v + 3x = 8$
   $3v + 6x = 15$
   $v = 1, x = 2$

3. $u + 5x = 35$
   $4u + 2x = 32$
   $u = 5, x = 6$

4. $2b + 6y = 42$
   $2b + 4y = 30$
   $b = 3, y = 6$

5. $4b + 3v = 29$
   $6b + 3v = 39$
   $b = 5, v = 3$

6. $2c + 6y = 16$
   $6c + y = 31$
   $c = 5, y = 1$

7. $4u + 5z = 37$
   $2u + 3z = 21$
   $u = 3, z = 5$

8. $2y + 5z = 13$
   $y + 6z = 10$
   $y = 4, z = 1$