Linear Systems (C)

Solve each system of equations.

1. $4b - u = 3$
   $-3b + u = -3$

2. $-6c - 2u = -6$
   $-5c - 6u = -18$

3. $2x + 6z = 40$
   $4x - 4z = 0$

4. $-6c + 6y = 6$
   $4c + 6y = -24$

5. $5c + 2z = -25$
   $-4c - 4z = 20$

6. $-3a + b = -15$
   $2a + 4b = 10$

7. $2b - 2v = -6$
   $-2b + 4v = 2$

8. $3u + 2y = 4$
   $2u + 3y = 11$

Linear Systems (C) Answers

Solve each system of equations.

1. $4b - u = 3$
   $-3b + u = -3$
   $b = 0, u = -3$

2. $-6c - 2u = -6$
   $-5c - 6u = -18$
   $c = 0, u = 3$

3. $2x + 6z = 40$
   $4x - 4z = 0$
   $x = 5, z = 5$

4. $-6c + 6y = 6$
   $4c + 6y = -24$
   $c = -3, y = -2$

5. $5c + 2z = -25$
   $-4c - 4z = 20$
   $c = -5, z = 0$

6. $-3a + b = -15$
   $2a + 4b = 10$
   $a = 5, b = 0$

7. $2b - 2v = -6$
   $-2b + 4v = 2$
   $b = -5, v = -2$

8. $3u + 2y = 4$
   $2u + 3y = 11$
   $u = -2, y = 5$