

## Linear Systems (F)

Solve each system of equations.

1.  $6v + 3z = -6$   
 $6v - 6z = -24$

5.  $6x + 2z = -2$   
 $x + 2z = 3$

2.  $-6b + 4v = -32$   
 $2b - 4v = 16$

6.  $-5v + 5y = 40$   
 $-2v + 6y = 40$

3.  $5a - 4u = -12$   
 $2a - u = -3$

7.  $-2a + 3u = 4$   
 $2a + 2u = 6$

4.  $-2y + 5z = -24$   
 $-y + 4z = -18$

8.  $2a + 4u = 0$   
 $-3a + 5u = 11$

## Linear Systems (F) Answers

Solve each system of equations.

1.  $6v + 3z = -6$   
 $6v - 6z = -24$   
 $v = -2, z = 2$

5.  $6x + 2z = -2$   
 $x + 2z = 3$   
 $x = -1, z = 2$

2.  $-6b + 4v = -32$   
 $2b - 4v = 16$   
 $b = 4, v = -2$

6.  $-5v + 5y = 40$   
 $-2v + 6y = 40$   
 $v = -2, y = 6$

3.  $5a - 4u = -12$   
 $2a - u = -3$   
 $a = 0, u = 3$

7.  $-2a + 3u = 4$   
 $2a + 2u = 6$   
 $a = 1, u = 2$

4.  $-2y + 5z = -24$   
 $-y + 4z = -18$   
 $y = 2, z = -4$

8.  $2a + 4u = 0$   
 $-3a + 5u = 11$   
 $a = -2, u = 1$