

Linear Systems (J)

Solve each system of equations.

1. $6b + 3x = 12$
 $2b - 2x = 4$

5. $-b + u = -5$
 $-b - 4u = 5$

2. $-2x + 6y = -12$
 $x - y = 2$

6. $-4a - 6u = 6$
 $a - 5u = 18$

3. $-6c + 5x = -2$
 $2c + 5x = -26$

7. $-5a - z = 14$
 $a + 3z = 0$

4. $-2b + z = -6$
 $-4b + z = -6$

8. $3a + 3x = -6$
 $-4a - 2x = 6$

Linear Systems (J) Answers

Solve each system of equations.

1. $6b + 3x = 12$
 $2b - 2x = 4$
 $b = 2, x = 0$

5. $-b + u = -5$
 $-b - 4u = 5$
 $b = 3, u = -2$

2. $-2x + 6y = -12$
 $x - y = 2$
 $x = 0, y = -2$

6. $-4a - 6u = 6$
 $a - 5u = 18$
 $a = 3, u = -3$

3. $-6c + 5x = -2$
 $2c + 5x = -26$
 $c = -3, x = -4$

7. $-5a - z = 14$
 $a + 3z = 0$
 $a = -3, z = 1$

4. $-2b + z = -6$
 $-4b + z = -6$
 $b = 0, z = -6$

8. $3a + 3x = -6$
 $-4a - 2x = 6$
 $a = -1, x = -1$