

Linear Systems (E)

Solve each system of equations.

1. $-5a - 4c = -4$
 $2a - c = -14$

5. $-2u + 3x = 4$
 $-4u - x = -6$

2. $3b - 2u = -6$
 $6b + 4u = -60$

6. $-2u + 4v = -12$
 $-2u - 4v = -4$

3. $6v + 3x = 21$
 $6v - x = 33$

7. $b - 4z = -25$
 $4b - 2z = -30$

4. $5u - 4y = -38$
 $-3u - y = 16$

8. $-4a - 2x = 22$
 $a + 6x = 0$

Linear Systems (E) Answers

Solve each system of equations.

1. $-5a - 4c = -4$
 $2a - c = -14$
 $a = -4, c = 6$

5. $-2u + 3x = 4$
 $-4u - x = -6$
 $u = 1, x = 2$

2. $3b - 2u = -6$
 $6b + 4u = -60$
 $b = -6, u = -6$

6. $-2u + 4v = -12$
 $-2u - 4v = -4$
 $u = 4, v = -1$

3. $6v + 3x = 21$
 $6v - x = 33$
 $v = 5, x = -3$

7. $b - 4z = -25$
 $4b - 2z = -30$
 $b = -5, z = 5$

4. $5u - 4y = -38$
 $-3u - y = 16$
 $u = -6, y = 2$

8. $-4a - 2x = 22$
 $a + 6x = 0$
 $a = -6, x = 1$