

Linear Systems (G)

Solve each system of equations.

1. $-5c - 4x = -25$
 $-2c = -10$

5. $a - 5z = -9$
 $-3a = -3$

2. $4a - 3b = 38$
 $4a = 20$

6. $-6u - 3z = -3$
 $4u = 8$

3. $2u - 6x = 6$
 $5u = 15$

7. $3c + 5v = -14$
 $-2c = -4$

4. $-2x + 5y = 7$
 $6x = -36$

8. $2a + 6u = 2$
 $5a = -25$

Linear Systems (G) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & -5c - 4x = -25 \\ & -2c = -10 \\ & c = 5, x = 0 \end{aligned}$$

$$\begin{aligned} 5. \quad & a - 5z = -9 \\ & -3a = -3 \\ & a = 1, z = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4a - 3b = 38 \\ & 4a = 20 \\ & a = 5, b = -6 \end{aligned}$$

$$\begin{aligned} 6. \quad & -6u - 3z = -3 \\ & 4u = 8 \\ & u = 2, z = -3 \end{aligned}$$

$$\begin{aligned} 3. \quad & 2u - 6x = 6 \\ & 5u = 15 \\ & u = 3, x = 0 \end{aligned}$$

$$\begin{aligned} 7. \quad & 3c + 5v = -14 \\ & -2c = -4 \\ & c = 2, v = -4 \end{aligned}$$

$$\begin{aligned} 4. \quad & -2x + 5y = 7 \\ & 6x = -36 \\ & x = -6, y = -1 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2a + 6u = 2 \\ & 5a = -25 \\ & a = -5, u = 2 \end{aligned}$$