

Linear Systems (G)

Solve each system of equations.

1. $-4c - 5x = -33$
 $3c - 6x = -24$

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

2. $6c - 2x = 8$
 $4c - 3x = 2$

6. $5a + 6u = -30$
 $5a - 6u = -30$

3. $4v + 3x = 19$
 $-v + 4x = 0$

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

4. $2a + 6z = -20$
 $6a + 2z = -28$

8. $-2b - 4c = -18$
 $b + 6c = 33$

Linear Systems (G) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & -4c - 5x = -33 \\ & 3c - 6x = -24 \\ & c = 2, x = 5 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4u - 4x = 4 \\ & u + 6x = -6 \\ & u = 0, x = -1 \end{aligned}$$

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

$$\begin{aligned} 6. \quad & 5a + 6u = -30 \\ & 5a - 6u = -30 \\ & a = -6, u = 0 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4v + 3x = 19 \\ & -v + 4x = 0 \\ & v = 4, x = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & -3a - u = 7 \\ & 6a - 2u = 2 \\ & a = -1, u = -4 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2a + 6z = -20 \\ & 6a + 2z = -28 \\ & a = -4, z = -2 \end{aligned}$$

$$\begin{aligned} 8. \quad & -2b - 4c = -18 \\ & b + 6c = 33 \\ & b = -3, c = 6 \end{aligned}$$