

## Linear Systems (A)

Solve each system of equations.

1.  $2b - 5x = -19$   
 $-b = -3$

5.  $c - 4u = -9$   
 $c = -1$

2.  $-4u + 4x = 12$   
 $-u = -2$

6.  $5u - 2v = 18$   
 $-5u = -30$

3.  $3u - 3y = 30$   
 $5u = 20$

7.  $-5b + 2c = 23$   
 $3b = -9$

4.  $-3c + v = 13$   
 $-c = 4$

8.  $-6v - 4z = -26$   
 $-3v = -9$

## Linear Systems (A) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & 2b - 5x = -19 \\ & -b = -3 \\ & b = 3, x = 5 \end{aligned}$$

$$\begin{aligned} 5. \quad & c - 4u = -9 \\ & c = -1 \\ & c = -1, u = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & -4u + 4x = 12 \\ & -u = -2 \\ & u = 2, x = 5 \end{aligned}$$

$$\begin{aligned} 6. \quad & 5u - 2v = 18 \\ & -5u = -30 \\ & u = 6, v = 6 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3u - 3y = 30 \\ & 5u = 20 \\ & u = 4, y = -6 \end{aligned}$$

$$\begin{aligned} 7. \quad & -5b + 2c = 23 \\ & 3b = -9 \\ & b = -3, c = 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & -3c + v = 13 \\ & -c = 4 \\ & c = -4, v = 1 \end{aligned}$$

$$\begin{aligned} 8. \quad & -6v - 4z = -26 \\ & -3v = -9 \\ & v = 3, z = 2 \end{aligned}$$