

## Linear Systems (E)

Solve each system of equations.

1.  $2c - 5z = 21$   
 $-6c = 12$

5.  $-5b + 6v = -21$   
 $3b = -9$

2.  $5a - 2z = -5$   
 $2a = 2$

6.  $-6a + 2z = 22$   
 $a = -5$

3.  $5c - 4x = -21$   
 $5c = -5$

7.  $-5u + 2v = -8$   
 $4u = 16$

4.  $b + 6y = 33$   
 $5b = 15$

8.  $3a + 6y = -45$   
 $-a = 5$

## Linear Systems (E) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & 2c - 5z = 21 \\ & -6c = 12 \\ & c = -2, z = -5 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5b + 6v = -21 \\ & 3b = -9 \\ & b = -3, v = -6 \end{aligned}$$

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

$$\begin{aligned} 6. \quad & -6a + 2z = 22 \\ & a = -5 \\ & a = -5, z = -4 \end{aligned}$$

$$\begin{aligned} 3. \quad & 5c - 4x = -21 \\ & 5c = -5 \\ & c = -1, x = 4 \end{aligned}$$

$$\begin{aligned} 7. \quad & -5u + 2v = -8 \\ & 4u = 16 \\ & u = 4, v = 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & b + 6y = 33 \\ & 5b = 15 \\ & b = 3, y = 5 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3a + 6y = -45 \\ & -a = 5 \\ & a = -5, y = -5 \end{aligned}$$