

Linear Systems (B)

Solve each system of equations.

1. $-a - z = 4$
 $-3a + 3z = 24$

5. $-5x + 6z = 37$
 $5x + 4z = -17$

2. $-a + 5v = 18$
 $5a + 6v = 3$

6. $5a - z = -8$
 $-2a + 5z = -6$

3. $4u - 2v = 26$
 $-2u - 4v = 12$

7. $a - 2c = -8$
 $-a + 5c = 17$

4. $-2a + 5z = -32$
 $-5a - 6z = -6$

8. $-5x + 4y = 23$
 $2x + 6y = 6$

Linear Systems (B) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & -a - z = 4 \\ & -3a + 3z = 24 \\ & a = -6, z = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5x + 6z = 37 \\ & 5x + 4z = -17 \\ & x = -5, z = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & -a + 5v = 18 \\ & 5a + 6v = 3 \\ & a = -3, v = 3 \end{aligned}$$

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

$$\begin{aligned} 3. \quad & 4u - 2v = 26 \\ & -2u - 4v = 12 \\ & u = 4, v = -5 \end{aligned}$$

$$\begin{aligned} 7. \quad & a - 2c = -8 \\ & -a + 5c = 17 \\ & a = -2, c = 3 \end{aligned}$$

$$\begin{aligned} 4. \quad & -2a + 5z = -32 \\ & -5a - 6z = -6 \\ & a = 6, z = -4 \end{aligned}$$

$$\begin{aligned} 8. \quad & -5x + 4y = 23 \\ & 2x + 6y = 6 \\ & x = -3, y = 2 \end{aligned}$$