

Linear Systems (B)

Solve each system of equations.

$$\begin{aligned} 1. \quad & -4a - 6c + 4v = 16 \\ & -4a + 5c = 8 \\ & -4a = 8 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5a + 5c + 3x = -40 \\ & -2a - c = 12 \\ & -3a = 12 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2c - 4u - 2v = 34 \\ & c + 4u = -18 \\ & c = 2 \end{aligned}$$

$$\begin{aligned} 6. \quad & 2c + 2v + 3z = 2 \\ & 2c + 4v = -12 \\ & 2c = 4 \end{aligned}$$

$$\begin{aligned} 3. \quad & -a - c - 5y = 35 \\ & a + c = -5 \\ & -a = 4 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2a + 2c + 5v = -5 \\ & -3a - c = -14 \\ & 3a = 18 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4a - 6u + z = 6 \\ & 3a + 2u = 26 \\ & -5a = -30 \end{aligned}$$

$$\begin{aligned} 8. \quad & -3c + v - 2x = 29 \\ & 3c - 4v = -30 \\ & 2c = -12 \end{aligned}$$

Linear Systems (B) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & -4a - 6c + 4v = 16 \\ & -4a + 5c = 8 \\ & -4a = 8 \\ & a = -2, c = 0, v = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5a + 5c + 3x = -40 \\ & -2a - c = 12 \\ & -3a = 12 \\ & a = -4, c = -4, x = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2c - 4u - 2v = 34 \\ & c + 4u = -18 \\ & c = 2 \\ & c = 2, u = -5, v = -5 \end{aligned}$$

$$\begin{aligned} 6. \quad & 2c + 2v + 3z = 2 \\ & 2c + 4v = -12 \\ & 2c = 4 \\ & c = 2, v = -4, z = 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & -a - c - 5y = 35 \\ & a + c = -5 \\ & -a = 4 \\ & a = -4, c = -1, y = -6 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2a + 2c + 5v = -5 \\ & -3a - c = -14 \\ & 3a = 18 \\ & a = 6, c = -4, v = 3 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4a - 6u + z = 6 \\ & 3a + 2u = 26 \\ & -5a = -30 \\ & a = 6, u = 4, z = 6 \end{aligned}$$

$$\begin{aligned} 8. \quad & -3c + v - 2x = 29 \\ & 3c - 4v = -30 \\ & 2c = -12 \\ & c = -6, v = 3, x = -4 \end{aligned}$$