

Linear Systems (D)

Solve each system of equations.

1. $4c + 2v = 28$
 $6c = 36$

5. $2c + 3y = 15$
 $c = 6$

2. $y + 4z = 10$
 $6y = 36$

6. $3b + 4u = 14$
 $6b = 12$

3. $6a + b = 40$
 $4a = 24$

7. $4c + 2u = 28$
 $4c = 24$

4. $4x + 2y = 22$
 $2x = 6$

8. $5v + 3y = 42$
 $2v = 12$

Linear Systems (D) Answers

Solve each system of equations.

$$\begin{aligned} 1. \quad & 4c + 2v = 28 \\ & 6c = 36 \\ & c = 6, v = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2c + 3y = 15 \\ & c = 6 \\ & c = 6, y = 1 \end{aligned}$$

$$\begin{aligned} 2. \quad & y + 4z = 10 \\ & 6y = 36 \\ & y = 6, z = 1 \end{aligned}$$

$$\begin{aligned} 6. \quad & 3b + 4u = 14 \\ & 6b = 12 \\ & b = 2, u = 2 \end{aligned}$$

$$\begin{aligned} 3. \quad & 6a + b = 40 \\ & 4a = 24 \\ & a = 6, b = 4 \end{aligned}$$

$$\begin{aligned} 7. \quad & 4c + 2u = 28 \\ & 4c = 24 \\ & c = 6, u = 2 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4x + 2y = 22 \\ & 2x = 6 \\ & x = 3, y = 5 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5v + 3y = 42 \\ & 2v = 12 \\ & v = 6, y = 4 \end{aligned}$$