

Rewriting Formulas (C)

Solve for x in terms of the other variables.

1. $v - (x + z) = a$

6. $1 = u - (x + v)$

11. $x - c + 9 = u$

2. $x + u + b = z$

7. $3 - x + y = z$

12. $z = x - u + b$

3. $x - v + 4 = b$

8. $y - x + z = b$

13. $u = x + z - y$

4. $x + b - z = u$

9. $u - (v - x) = b$

14. $x - a + b = z$

5. $v - (x + u) = y$

10. $x - v + u = 1$

15. $x - u - v = b$

Rewriting Formulas (C) Answers

Solve for x in terms of the other variables.

$$\begin{aligned} 1. \quad v - (x + z) &= a \\ x &= v - a - z \end{aligned}$$

$$\begin{aligned} 6. \quad 1 &= u - (x + v) \\ x &= u - 1 - v \end{aligned}$$

$$\begin{aligned} 11. \quad x - c + 9 &= u \\ x &= u - 9 + c \end{aligned}$$

$$\begin{aligned} 2. \quad x + u + b &= z \\ x &= z - b - u \end{aligned}$$

$$\begin{aligned} 7. \quad 3 - x + y &= z \\ x &= 3 - (z - y) \end{aligned}$$

$$\begin{aligned} 12. \quad z &= x - u + b \\ x &= z - b + u \end{aligned}$$

$$\begin{aligned} 3. \quad x - v + 4 &= b \\ x &= b - 4 + v \end{aligned}$$

$$\begin{aligned} 8. \quad y - x + z &= b \\ x &= y - (b - z) \end{aligned}$$

$$\begin{aligned} 13. \quad u &= x + z - y \\ x &= u + y - z \end{aligned}$$

$$\begin{aligned} 4. \quad x + b - z &= u \\ x &= u + z - b \end{aligned}$$

$$\begin{aligned} 9. \quad u - (v - x) &= b \\ x &= v - (u - b) \end{aligned}$$

$$\begin{aligned} 14. \quad x - a + b &= z \\ x &= z - b + a \end{aligned}$$

$$\begin{aligned} 5. \quad v - (x + u) &= y \\ x &= v - y - u \end{aligned}$$

$$\begin{aligned} 10. \quad x - v + u &= 1 \\ x &= 1 - u + v \end{aligned}$$

$$\begin{aligned} 15. \quad x - u - v &= b \\ x &= b + v + u \end{aligned}$$