

Rewriting Formulas (D)

Solve for v in terms of the other variables.

1. $b = c - v + x$

6. $b = -8 - (v - y)$

11. $v + z + x = y$

2. $y - v + (-1) = z$

7. $x - (6 - v) = z$

12. $u = v + y + b$

3. $x = v - a + 8$

8. $z - (v + u) = -10$

13. $u = z - v + x$

4. $a = v - z + c$

9. $c - v + b = 6$

14. $v + y + a = u$

5. $a = v + y - z$

10. $x = b - (v + 2)$

15. $u - (v + (-5)) = a$

Rewriting Formulas (D) Answers

Solve for v in terms of the other variables.

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

$$\begin{aligned} 6. \quad b &= -8 - (v - y) \\ v &= -8 - b + y \end{aligned}$$

$$\begin{aligned} 11. \quad v + z + x &= y \\ v &= y - x - z \end{aligned}$$

$$\begin{aligned} 2. \quad y - v + (-1) &= z \\ v &= y - (z - (-1)) \end{aligned}$$

$$\begin{aligned} 7. \quad x - (6 - v) &= z \\ v &= 6 - (x - z) \end{aligned}$$

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

$$\begin{aligned} 3. \quad x &= v - a + 8 \\ v &= x - 8 + a \end{aligned}$$

$$\begin{aligned} 8. \quad z - (v + u) &= -10 \\ v &= z - (-10) - u \end{aligned}$$

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

$$\begin{aligned} 4. \quad a &= v - z + c \\ v &= a - c + z \end{aligned}$$

$$\begin{aligned} 9. \quad c - v + b &= 6 \\ v &= c - (6 - b) \end{aligned}$$

$$\begin{aligned} 14. \quad v + y + a &= u \\ v &= u - a - y \end{aligned}$$

$$\begin{aligned} 5. \quad a &= v + y - z \\ v &= a + z - y \end{aligned}$$

$$\begin{aligned} 10. \quad x &= b - (v + 2) \\ v &= b - x - 2 \end{aligned}$$

$$\begin{aligned} 15. \quad u - (v + (-5)) &= a \\ v &= u - a - (-5) \end{aligned}$$