

Rewriting Formulas (E)

Solve for v in terms of the other variables.

1. $x = b - (v - 2)$

6. $v - (-6) + c = b$

11. $a - (v + u) = c$

2. $a = v + b + 4$

7. $v + b + a = c$

12. $v + a + (-10) = x$

3. $v - c - y = u$

8. $y - (v - z) = a$

13. $a = u - (x - v)$

4. $b = v + x + 7$

9. $z = v + 4 + a$

14. $v + a - y = u$

5. $z - (y - v) = 4$

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

15. $v + u + z = b$

Rewriting Formulas (E) Answers

Solve for v in terms of the other variables.

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

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

$$\begin{aligned} 11. \quad a - (v + u) &= c \\ v &= a - c - u \end{aligned}$$

$$\begin{aligned} 2. \quad a &= v + b + 4 \\ v &= a - 4 - b \end{aligned}$$

$$\begin{aligned} 7. \quad v + b + a &= c \\ v &= c - a - b \end{aligned}$$

$$\begin{aligned} 12. \quad v + a + (-10) &= x \\ v &= x - (-10) - a \end{aligned}$$

$$\begin{aligned} 3. \quad v - c - y &= u \\ v &= u + y + c \end{aligned}$$

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

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

$$\begin{aligned} 4. \quad b &= v + x + 7 \\ v &= b - 7 - x \end{aligned}$$

$$\begin{aligned} 9. \quad z &= v + 4 + a \\ v &= z - a - 4 \end{aligned}$$

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

$$\begin{aligned} 5. \quad z - (y - v) &= 4 \\ v &= y - (z - 4) \end{aligned}$$

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

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