

Rewriting Formulas (B)

Solve for z in terms of the other variables.

1. $10 = x - (z + v)$

6. $x = z + u + v$

11. $4 = z + u + b$

2. $c = z + (-6) + a$

7. $u - z + a = v$

12. $z + v + b = a$

3. $b - (z + v) = u$

8. $z + c - 7 = a$

13. $z + u + x = y$

4. $c - z + (-10) = y$

9. $x - z - u = v$

14. $c - z + b = v$

5. $z + y - a = 8$

10. $v - (3 - z) = b$

15. $b - z - x = v$

Rewriting Formulas (B) Answers

Solve for z in terms of the other variables.

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

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

$$\begin{aligned} 11. \quad 4 &= z + u + b \\ z &= 4 - b - u \end{aligned}$$

$$\begin{aligned} 2. \quad c &= z + (-6) + a \\ z &= c - a - (-6) \end{aligned}$$

$$\begin{aligned} 7. \quad u - z + a &= v \\ z &= u - (v - a) \end{aligned}$$

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

$$\begin{aligned} 3. \quad b - (z + v) &= u \\ z &= b - u - v \end{aligned}$$

$$\begin{aligned} 8. \quad z + c - 7 &= a \\ z &= a + 7 - c \end{aligned}$$

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

$$\begin{aligned} 4. \quad c - z + (-10) &= y \\ z &= c - (y - (-10)) \end{aligned}$$

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

$$\begin{aligned} 14. \quad c - z + b &= v \\ z &= c - (v - b) \end{aligned}$$

$$\begin{aligned} 5. \quad z + y - a &= 8 \\ z &= 8 + a - y \end{aligned}$$

$$\begin{aligned} 10. \quad v - (3 - z) &= b \\ z &= 3 - (v - b) \end{aligned}$$

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