

## Rewriting Formulas (A)

Solve for  $c$  in terms of the other variables.

1.  $y - (-10 - c) = z$

6.  $c + b - z = 10$

11.  $c + a + x = v$

2.  $z - c + 2 = v$

7.  $x - (c + a) = b$

12.  $c + x + a = v$

3.  $c + a + y = 3$

8.  $x - (c + u) = y$

13.  $2 = u - (c + x)$

4.  $c + x + 4 = y$

9.  $u = b - (c + v)$

14.  $v - c + z = 3$

5.  $c - v + u = a$

10.  $c + z - x = b$

15.  $y = c + u - x$

## Rewriting Formulas (A) Answers

Solve for  $c$  in terms of the other variables.

$$\begin{aligned} 1. \quad y - (-10 - c) &= z \\ c &= -10 - (y - z) \end{aligned}$$

$$\begin{aligned} 6. \quad c + b - z &= 10 \\ c &= 10 + z - b \end{aligned}$$

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

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

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

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

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

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

$$\begin{aligned} 13. \quad 2 &= u - (c + x) \\ c &= u - 2 - x \end{aligned}$$

$$\begin{aligned} 4. \quad c + x + 4 &= y \\ c &= y - 4 - x \end{aligned}$$

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

$$\begin{aligned} 14. \quad v - c + z &= 3 \\ c &= v - (3 - z) \end{aligned}$$

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

$$\begin{aligned} 10. \quad c + z - x &= b \\ c &= b + x - z \end{aligned}$$

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