

Rewriting Formulas (I)

Solve for a in terms of the other variables.

1. $a + u + y = b$

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

11. $y - (a + b) = 10$

2. $b = a + y - z$

7. $y - (a + c) = v$

12. $b = a + v + u$

3. $v - (u - a) = c$

8. $6 = a - c + u$

13. $u = a - b + z$

4. $y = a - 1 + x$

9. $9 = a + u + y$

14. $z = a + c + b$

5. $c = a + 9 + x$

10. $a + c + b = -4$

15. $x = b - a + v$

Rewriting Formulas (I) Answers

Solve for a in terms of the other variables.

$$\begin{aligned} 1. \quad & a + u + y = b \\ & a = b - y - u \end{aligned}$$

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

$$\begin{aligned} 11. \quad & y - (a + b) = 10 \\ & a = y - 10 - b \end{aligned}$$

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

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

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

$$\begin{aligned} 3. \quad & v - (u - a) = c \\ & a = u - (v - c) \end{aligned}$$

$$\begin{aligned} 8. \quad & 6 = a - c + u \\ & a = 6 - u + c \end{aligned}$$

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

$$\begin{aligned} 4. \quad & y = a - 1 + x \\ & a = y - x + 1 \end{aligned}$$

$$\begin{aligned} 9. \quad & 9 = a + u + y \\ & a = 9 - y - u \end{aligned}$$

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

$$\begin{aligned} 5. \quad & c = a + 9 + x \\ & a = c - x - 9 \end{aligned}$$

$$\begin{aligned} 10. \quad & a + c + b = -4 \\ & a = -4 - b - c \end{aligned}$$

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