

Rewriting Formulas (G)

Solve for a in terms of the other variables.

1. $y = a + z + (-4)$

6. $-7 = a - v - b$

11. $x = u - a - b$

2. $6 - (c - a) = x$

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

12. $v = b - (a + z)$

3. $x = u - (a + z)$

8. $v = a + u + z$

13. $u = y - (a - b)$

4. $z = a - u - y$

9. $v = a + y - b$

14. $6 = a + v - u$

5. $a + (-4) + v = y$

10. $a - x - c = y$

15. $c - a - x = 10$

Rewriting Formulas (G) Answers

Solve for a in terms of the other variables.

$$1. \begin{aligned} y &= a + z + (-4) \\ a &= y - (-4) - z \end{aligned}$$

$$6. \begin{aligned} -7 &= a - v - b \\ a &= -7 + b + v \end{aligned}$$

$$11. \begin{aligned} x &= u - a - b \\ a &= u - (x + b) \end{aligned}$$

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

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

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

$$3. \begin{aligned} x &= u - (a + z) \\ a &= u - x - z \end{aligned}$$

$$8. \begin{aligned} v &= a + u + z \\ a &= v - z - u \end{aligned}$$

$$13. \begin{aligned} u &= y - (a - b) \\ a &= y - u + b \end{aligned}$$

$$4. \begin{aligned} z &= a - u - y \\ a &= z + y + u \end{aligned}$$

$$9. \begin{aligned} v &= a + y - b \\ a &= v + b - y \end{aligned}$$

$$14. \begin{aligned} 6 &= a + v - u \\ a &= 6 + u - v \end{aligned}$$

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

$$10. \begin{aligned} a - x - c &= y \\ a &= y + c + x \end{aligned}$$

$$15. \begin{aligned} c - a - x &= 10 \\ a &= c - (10 + x) \end{aligned}$$