

Rewriting Formulas (H)

Solve for y in terms of the other variables.

1. $b = a - (y + (-6))$

6. $v = y + b - 8$

11. $v - y - x = 4$

2. $u = v - (y + c)$

7. $-8 = a - y + u$

12. $z - (y - b) = u$

3. $y + x + 9 = z$

8. $a = c - (y - x)$

13. $y + (-2) + b = v$

4. $z = y + b + c$

9. $y + c + x = z$

14. $a - (y + z) = -6$

5. $y - c + x = z$

10. $y - 5 + c = x$

15. $c - (b - y) = v$

Rewriting Formulas (H) Answers

Solve for y in terms of the other variables.

$$1. \begin{aligned} b &= a - (y + (-6)) \\ y &= a - b - (-6) \end{aligned}$$

$$6. \begin{aligned} v &= y + b - 8 \\ y &= v + 8 - b \end{aligned}$$

$$11. \begin{aligned} v - y - x &= 4 \\ y &= v - (4 + x) \end{aligned}$$

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

$$7. \begin{aligned} -8 &= a - y + u \\ y &= a - (-8 - u) \end{aligned}$$

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

$$3. \begin{aligned} y + x + 9 &= z \\ y &= z - 9 - x \end{aligned}$$

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

$$13. \begin{aligned} y + (-2) + b &= v \\ y &= v - b - (-2) \end{aligned}$$

$$4. \begin{aligned} z &= y + b + c \\ y &= z - c - b \end{aligned}$$

$$9. \begin{aligned} y + c + x &= z \\ y &= z - x - c \end{aligned}$$

$$14. \begin{aligned} a - (y + z) &= -6 \\ y &= a - (-6) - z \end{aligned}$$

$$5. \begin{aligned} y - c + x &= z \\ y &= z - x + c \end{aligned}$$

$$10. \begin{aligned} y - 5 + c &= x \\ y &= x - c + 5 \end{aligned}$$

$$15. \begin{aligned} c - (b - y) &= v \\ y &= b - (c - v) \end{aligned}$$