

Rewriting Formulas (E)

Solve for x in terms of the other variables.

1. $x + a = -5$

6. $x + 8 = v$

11. $x + c = a$

2. $x + y = 1$

7. $x + z = y$

12. $b = 3 - x$

3. $-3 = x + z$

8. $x + a = u$

13. $b - x = u$

4. $y = x + u$

9. $z = x - (-5)$

14. $1 = x + a$

5. $y = x - u$

10. $u = x + (-10)$

15. $u = x - a$

Rewriting Formulas (E) Answers

Solve for x in terms of the other variables.

$$\begin{aligned} 1. \quad x + a &= -5 \\ x &= -5 - a \end{aligned}$$

$$\begin{aligned} 6. \quad x + 8 &= v \\ x &= v - 8 \end{aligned}$$

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

$$\begin{aligned} 2. \quad x + y &= 1 \\ x &= 1 - y \end{aligned}$$

$$\begin{aligned} 7. \quad x + z &= y \\ x &= y - z \end{aligned}$$

$$\begin{aligned} 12. \quad b &= 3 - x \\ x &= 3 - b \end{aligned}$$

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

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

$$\begin{aligned} 13. \quad b - x &= u \\ x &= b - u \end{aligned}$$

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

$$\begin{aligned} 9. \quad z &= x - (-5) \\ x &= z + (-5) \end{aligned}$$

$$\begin{aligned} 14. \quad 1 &= x + a \\ x &= 1 - a \end{aligned}$$

$$\begin{aligned} 5. \quad y &= x - u \\ x &= y + u \end{aligned}$$

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

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