

Evaluation d'Expressions (A)

Utilisez la valeur donnée pour évaluer l'expression.

1. $\frac{z}{10-z}$
($z = -3$)

5. $5x - v$
($x = -8, v = 6$)

9. $6(-4+x)$
($x = -2$)

2. $y - (4 - y)$
($y = 10$)

6. $-5 - x^4$
($x = 1$)

10. $\frac{u}{u} \cdot u$
($u = -4$)

3. $\frac{a}{a} \cdot (-3)$
($a = -8$)

7. $\left(\frac{3}{z}\right)^4$
($z = 3$)

11. $z \cdot \frac{-4}{b}$
($z = 8, b = 3$)

4. $\frac{v}{v} \cdot v$
($v = -7$)

8. $(-8 - (-7)) \cdot x$
($x = -8$)

12. $-2 + c + (-5)$
($c = -1$)

Evaluation d'Expressions (A) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. \frac{z}{10-z} \\ (z = -3) \\ = -\frac{3}{13} \end{aligned}$$

$$\begin{aligned} 5. 5x - v \\ (x = -8, v = 6) \\ = -46 \end{aligned}$$

$$\begin{aligned} 9. 6(-4+x) \\ (x = -2) \\ = -36 \end{aligned}$$

$$\begin{aligned} 2. y - (4 - y) \\ (y = 10) \\ = 16 \end{aligned}$$

$$\begin{aligned} 6. -5 - x^4 \\ (x = 1) \\ = -6 \end{aligned}$$

$$\begin{aligned} 10. \frac{u}{u} \cdot u \\ (u = -4) \\ = -4 \end{aligned}$$

$$\begin{aligned} 3. \frac{a}{a} \cdot (-3) \\ (a = -8) \\ = -3 \end{aligned}$$

$$\begin{aligned} 7. \left(\frac{3}{z}\right)^4 \\ (z = 3) \\ = 1 \end{aligned}$$

$$\begin{aligned} 11. z \cdot \frac{-4}{b} \\ (z = 8, b = 3) \\ = -\frac{32}{3} \end{aligned}$$

$$\begin{aligned} 4. \frac{v}{v} \cdot v \\ (v = -7) \\ = -7 \end{aligned}$$

$$\begin{aligned} 8. (-8 - (-7)) \cdot x \\ (x = -8) \\ = 8 \end{aligned}$$

$$\begin{aligned} 12. -2 + c + (-5) \\ (c = -1) \\ = -8 \end{aligned}$$

Evaluation d'Expressions (B)

Utilisez la valeur donnée pour évaluer l'expression.

1. $4(1 + c)$
($c = 5$)

5. $5 - (5 - c)$
($c = -7$)

9. $4y \cdot (-3)$
($y = 8$)

2. $\frac{z}{-3} - 3$
($z = -7$)

6. $3 - u + 5$
($u = 10$)

10. $(a - (-4))^2$
($a = 4$)

3. $-1(3 + c)$
($c = -9$)

7. $-9(c - (-1))$
($c = -8$)

11. $-6 + -1c$
($c = -2$)

4. $\frac{x}{\left(\frac{x}{8}\right)}$
($x = -5$)

8. $-4c - v$
($c = -7, v = -5$)

12. $7 + z + 4$
($z = 10$)

Evaluation d'Expressions (B) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. & 4(1+c) \\ & (c=5) \\ & = 24 \end{aligned}$$

$$\begin{aligned} 5. & 5 - (5 - c) \\ & (c = -7) \\ & = -7 \end{aligned}$$

$$\begin{aligned} 9. & 4y \cdot (-3) \\ & (y = 8) \\ & = -96 \end{aligned}$$

$$\begin{aligned} 2. & \frac{z}{-3} - 3 \\ & (z = -7) \\ & = -\frac{2}{3} \end{aligned}$$

$$\begin{aligned} 6. & 3 - u + 5 \\ & (u = 10) \\ & = -2 \end{aligned}$$

$$\begin{aligned} 10. & (a - (-4))^2 \\ & (a = 4) \\ & = 64 \end{aligned}$$

$$\begin{aligned} 3. & -1(3+c) \\ & (c = -9) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 7. & -9(c - (-1)) \\ & (c = -8) \\ & = 63 \end{aligned}$$

$$\begin{aligned} 11. & -6 + -1c \\ & (c = -2) \\ & = -4 \end{aligned}$$

$$\begin{aligned} 4. & \frac{x}{\left(\frac{x}{8}\right)} \\ & (x = -5) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 8. & -4c - v \\ & (c = -7, v = -5) \\ & = 33 \end{aligned}$$

$$\begin{aligned} 12. & 7 + z + 4 \\ & (z = 10) \\ & = 21 \end{aligned}$$

Evaluation d'Expressions (C)

Utilisez la valeur donnée pour évaluer l'expression.

1. $\frac{-5 - x + x}{(x = 2)}$

5. $\frac{-5x + x}{(x = 7)}$

9. $\frac{x + c}{-5}$
($x = -2, c = -9$)

2. $\frac{u}{-6} - u$
($u = 5$)

6. $z - (y - z)$
($y = 2, z = -9$)

10. $\frac{-2y}{4}$
($y = -1$)

3. $\frac{-10}{-9} - a$
($a = -5$)

7. $(-4 - 4) \cdot b$
($b = 9$)

11. $y + 5 + (-7)$
($y = 8$)

4. $\frac{9 - b}{-4}$
($b = -6$)

8. $\frac{v^2}{v}$
($v = 10$)

12. $\frac{u}{(-2)^3}$
($u = 10$)

Evaluation d'Expressions (C) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. & -5 - x + x \\ & (x = 2) \\ & = -5 \end{aligned}$$

$$\begin{aligned} 5. & -5x + x \\ & (x = 7) \\ & = -28 \end{aligned}$$

$$\begin{aligned} 9. & \frac{x + c}{-5} \\ & (x = -2, c = -9) \\ & = \frac{11}{5} \end{aligned}$$

$$\begin{aligned} 2. & \frac{u}{-6} - u \\ & (u = 5) \\ & = -\frac{35}{6} \end{aligned}$$

$$\begin{aligned} 6. & z - (y - z) \\ & (y = 2, z = -9) \\ & = -20 \end{aligned}$$

$$\begin{aligned} 10. & \frac{-2y}{4} \\ & (y = -1) \\ & = \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 3. & \frac{-10}{-9} - a \\ & (a = -5) \\ & = \frac{55}{9} \end{aligned}$$

$$\begin{aligned} 7. & (-4 - 4) \cdot b \\ & (b = 9) \\ & = -72 \end{aligned}$$

$$\begin{aligned} 11. & y + 5 + (-7) \\ & (y = 8) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 4. & \frac{9 - b}{-4} \\ & (b = -6) \\ & = -\frac{15}{4} \end{aligned}$$

$$\begin{aligned} 8. & \frac{v^2}{v} \\ & (v = 10) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 12. & \frac{u}{(-2)^3} \\ & (u = 10) \\ & = -\frac{5}{4} \end{aligned}$$

Evaluation d'Expressions (D)

Utilisez la valeur donnée pour évaluer l'expression.

1. $6y - (-1)$
($y = -9$)

5. $\frac{a}{a^2}$
($a = -9$)

9. $a - (z + 2)$
($a = 9, z = -9$)

2. $c - (-8) \cdot 10$
($c = -3$)

6. $-1 - z - z$
($z = -4$)

10. $7a - a$
($a = 9$)

3. $u - \frac{7}{9}$
($u = 3$)

7. $\frac{y}{3 + 8}$
($y = -1$)

11. $\frac{-3}{b} + b$
($b = 3$)

4. $y \cdot -2y$
($y = -7$)

8. $u - (-8 + u)$
($u = -5$)

12. $c - (10 + c)$
($c = 4$)

Evaluation d'Expressions (D) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. & 6y - (-1) \\ & (y = -9) \\ & = -53 \end{aligned}$$

$$\begin{aligned} 5. & \frac{a}{a^2} \\ & (a = -9) \\ & = -\frac{1}{9} \end{aligned}$$

$$\begin{aligned} 9. & a - (z + 2) \\ & (a = 9, z = -9) \\ & = 16 \end{aligned}$$

$$\begin{aligned} 2. & c - (-8) \cdot 10 \\ & (c = -3) \\ & = 77 \end{aligned}$$

$$\begin{aligned} 6. & -1 - z - z \\ & (z = -4) \\ & = 7 \end{aligned}$$

$$\begin{aligned} 10. & 7a - a \\ & (a = 9) \\ & = 54 \end{aligned}$$

$$\begin{aligned} 3. & u - \frac{7}{9} \\ & (u = 3) \\ & = \frac{20}{9} \end{aligned}$$

$$\begin{aligned} 7. & \frac{y}{3 + 8} \\ & (y = -1) \\ & = -\frac{1}{11} \end{aligned}$$

$$\begin{aligned} 11. & \frac{-3}{b} + b \\ & (b = 3) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 4. & y \cdot -2y \\ & (y = -7) \\ & = -98 \end{aligned}$$

$$\begin{aligned} 8. & u - (-8 + u) \\ & (u = -5) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 12. & c - (10 + c) \\ & (c = 4) \\ & = -10 \end{aligned}$$

Evaluation d'Expressions (E)

Utilisez la valeur donnée pour évaluer l'expression.

1. $\frac{-5 + (-7)}{a}$
($a = 7$)

5. $9 + \frac{-4}{b}$
($b = 8$)

9. $7 - 1 + u$
($u = 9$)

2. $u(u + 2)$
($u = 3$)

6. $\frac{a}{5u}$
($a = 6, u = -1$)

10. $\frac{a + y}{a}$
($a = 7, y = -10$)

3. $x - (x - (-8))$
($x = -10$)

7. $-1(9 - x)$
($x = -6$)

11. $(v + (-6)) \cdot v$
($v = -5$)

4. $-7 + v \cdot v$
($v = -3$)

8. $(-3 - u) \cdot x$
($x = 8, u = 9$)

12. $-3 + z + 7$
($z = 2$)

Evaluation d'Expressions (E) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. \quad & \frac{-5 + (-7)}{a} \\ & (a = 7) \\ & = -\frac{12}{7} \end{aligned}$$

$$\begin{aligned} 5. \quad & 9 + \frac{-4}{b} \\ & (b = 8) \\ & = \frac{17}{2} \end{aligned}$$

$$\begin{aligned} 9. \quad & 7 - 1 + u \\ & (u = 9) \\ & = 15 \end{aligned}$$

$$\begin{aligned} 2. \quad & u(u + 2) \\ & (u = 3) \\ & = 15 \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{a}{5u} \\ & (a = 6, u = -1) \\ & = -\frac{6}{5} \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{a + y}{a} \\ & (a = 7, y = -10) \\ & = -\frac{3}{7} \end{aligned}$$

$$\begin{aligned} 3. \quad & x - (x - (-8)) \\ & (x = -10) \\ & = -8 \end{aligned}$$

$$\begin{aligned} 7. \quad & -1(9 - x) \\ & (x = -6) \\ & = -15 \end{aligned}$$

$$\begin{aligned} 11. \quad & (v + (-6)) \cdot v \\ & (v = -5) \\ & = 55 \end{aligned}$$

$$\begin{aligned} 4. \quad & -7 + v \cdot v \\ & (v = -3) \\ & = 2 \end{aligned}$$

$$\begin{aligned} 8. \quad & (-3 - u) \cdot x \\ & (x = 8, u = 9) \\ & = -96 \end{aligned}$$

$$\begin{aligned} 12. \quad & -3 + z + 7 \\ & (z = 2) \\ & = 6 \end{aligned}$$

Evaluation d'Expressions (F)

Utilisez la valeur donnée pour évaluer l'expression.

1. $c + \frac{-9}{7}$
($c = 3$)

5. $-9 + v - v$
($v = -1$)

9. $z - 2v$
($z = -8, v = -10$)

2. $\frac{5b}{b}$
($b = 10$)

6. $\frac{b}{10} - (-6)$
($b = 8$)

10. $\left(\frac{a}{1}\right)^2$
($a = 5$)

3. $(b + v) \cdot (-9)$
($b = -4, v = 10$)

7. $(y^2)^2$
($y = -3$)

11. $x \cdot -5y$
($y = 1, x = -9$)

4. $\frac{6}{-6 - v}$
($v = 4$)

8. $\frac{v \cdot v}{v}$
($v = 7$)

12. $\frac{b}{(-6)^2}$
($b = 10$)

Evaluation d'Expressions (F) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. \quad c + \frac{-9}{7} \\ (c = 3) \\ = \frac{12}{7} \end{aligned}$$

$$\begin{aligned} 5. \quad -9 + v - v \\ (v = -1) \\ = -9 \end{aligned}$$

$$\begin{aligned} 9. \quad z - 2v \\ (z = -8, v = -10) \\ = 12 \end{aligned}$$

$$\begin{aligned} 2. \quad \frac{5b}{b} \\ (b = 10) \\ = 5 \end{aligned}$$

$$\begin{aligned} 6. \quad \frac{b}{10} - (-6) \\ (b = 8) \\ = \frac{34}{5} \end{aligned}$$

$$\begin{aligned} 10. \quad \left(\frac{a}{1}\right)^2 \\ (a = 5) \\ = 25 \end{aligned}$$

$$\begin{aligned} 3. \quad (b + v) \cdot (-9) \\ (b = -4, v = 10) \\ = -54 \end{aligned}$$

$$\begin{aligned} 7. \quad (y^2)^2 \\ (y = -3) \\ = 81 \end{aligned}$$

$$\begin{aligned} 11. \quad x \cdot -5y \\ (y = 1, x = -9) \\ = 45 \end{aligned}$$

$$\begin{aligned} 4. \quad \frac{6}{-6 - v} \\ (v = 4) \\ = -\frac{3}{5} \end{aligned}$$

$$\begin{aligned} 8. \quad \frac{v \cdot v}{v} \\ (v = 7) \\ = 7 \end{aligned}$$

$$\begin{aligned} 12. \quad \frac{b}{(-6)^2} \\ (b = 10) \\ = \frac{5}{18} \end{aligned}$$

Evaluation d'Expressions (G)

Utilisez la valeur donnée pour évaluer l'expression.

1. $2b + b$
($b = 10$)

5. $\frac{-6}{\left(\frac{-4}{b}\right)}$
($b = 8$)

9. $\frac{-1}{-5 - y}$
($y = -6$)

2. $\frac{\left(\frac{v}{v}\right)}{-9}$
($v = -10$)

6. $-8 + v \cdot v$
($v = 1$)

10. $-7 + (-8) - z$
($z = 8$)

3. $\frac{z}{-4} \cdot 6$
($z = -4$)

7. $-3(-5 - c)$
($c = 10$)

11. $b - \frac{b}{1}$
($b = 7$)

4. $u \cdot u + u$
($u = -3$)

8. $1^2 \cdot a$
($a = -1$)

12. $(y + 6) \cdot 3$
($y = 3$)

Evaluation d'Expressions (G) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. & 2b + b \\ & (b = 10) \\ & = 30 \end{aligned}$$

$$\begin{aligned} 5. & \frac{-6}{\left(\frac{-4}{b}\right)} \\ & (b = 8) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 9. & \frac{-1}{-5 - y} \\ & (y = -6) \\ & = -1 \end{aligned}$$

$$\begin{aligned} 2. & \frac{\left(\frac{v}{v}\right)}{-9} \\ & (v = -10) \\ & = -\frac{1}{9} \end{aligned}$$

$$\begin{aligned} 6. & -8 + v \cdot v \\ & (v = 1) \\ & = -7 \end{aligned}$$

$$\begin{aligned} 10. & -7 + (-8) - z \\ & (z = 8) \\ & = -23 \end{aligned}$$

$$\begin{aligned} 3. & \frac{z}{-4} \cdot 6 \\ & (z = -4) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 7. & -3(-5 - c) \\ & (c = 10) \\ & = 45 \end{aligned}$$

$$\begin{aligned} 11. & b - \frac{b}{1} \\ & (b = 7) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 4. & u \cdot u + u \\ & (u = -3) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 8. & 1^2 \cdot a \\ & (a = -1) \\ & = -1 \end{aligned}$$

$$\begin{aligned} 12. & (y + 6) \cdot 3 \\ & (y = 3) \\ & = 27 \end{aligned}$$

Evaluation d'Expressions (H)

Utilisez la valeur donnée pour évaluer l'expression.

$$1. \frac{\left(\frac{9}{-2}\right)}{v} \\ (v = 10)$$

$$5. (-9 - x) \cdot (-6) \\ (x = 5)$$

$$9. z + 8z \\ (z = -3)$$

$$2. a(u - a) \\ (a = 7, u = -7)$$

$$6. \frac{-1}{b^3} \\ (b = 3)$$

$$10. \frac{-3 + a}{a} \\ (a = -2)$$

$$3. \frac{-7 - c}{4} \\ (c = -5)$$

$$7. -4u - 6 \\ (u = 2)$$

$$11. \frac{a}{a} + a \\ (a = 6)$$

$$4. (v + 4) \cdot (-1) \\ (v = 4)$$

$$8. \frac{-3}{v^2} \\ (v = -6)$$

$$12. \frac{c \cdot c}{c} \\ (c = -4)$$

Evaluation d'Expressions (H) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. \frac{\left(\frac{9}{-2}\right)}{v} \\ (v = 10) \\ = -\frac{9}{20} \end{aligned}$$

$$\begin{aligned} 5. (-9 - x) \cdot (-6) \\ (x = 5) \\ = 84 \end{aligned}$$

$$\begin{aligned} 9. z + 8z \\ (z = -3) \\ = -27 \end{aligned}$$

$$\begin{aligned} 2. a(u - a) \\ (a = 7, u = -7) \\ = -98 \end{aligned}$$

$$\begin{aligned} 6. \frac{-1}{b^3} \\ (b = 3) \\ = -\frac{1}{27} \end{aligned}$$

$$\begin{aligned} 10. \frac{-3 + a}{a} \\ (a = -2) \\ = \frac{5}{2} \end{aligned}$$

$$\begin{aligned} 3. \frac{-7 - c}{4} \\ (c = -5) \\ = -\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 7. -4u - 6 \\ (u = 2) \\ = -14 \end{aligned}$$

$$\begin{aligned} 11. \frac{a}{a} + a \\ (a = 6) \\ = 7 \end{aligned}$$

$$\begin{aligned} 4. (v + 4) \cdot (-1) \\ (v = 4) \\ = -8 \end{aligned}$$

$$\begin{aligned} 8. \frac{-3}{v^2} \\ (v = -6) \\ = -\frac{1}{12} \end{aligned}$$

$$\begin{aligned} 12. \frac{c \cdot c}{c} \\ (c = -4) \\ = -4 \end{aligned}$$

Evaluation d'Expressions (I)

Utilisez la valeur donnée pour évaluer l'expression.

$$1. \frac{1-8}{c} \\ (c = -4)$$

$$5. v + \frac{v}{v} \\ (v = -10)$$

$$9. a - \frac{-7}{a} \\ (a = -9)$$

$$2. (b+2) \cdot y \\ (y = -5, b = -3)$$

$$6. (x + (-7))^2 \\ (x = 4)$$

$$10. \frac{-2-a}{a} \\ (a = -10)$$

$$3. (-1) \cdot \frac{v}{10} \\ (v = 10)$$

$$7. (x+2) \cdot 4 \\ (x = 10)$$

$$11. \frac{-6}{-8} \cdot y \\ (y = 7)$$

$$4. \frac{-9}{c} \cdot (-2) \\ (c = 6)$$

$$8. (-3)^3 \cdot a \\ (a = -2)$$

$$12. u - u - u \\ (u = 7)$$

Evaluation d'Expressions (I) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. \quad & \frac{1-8}{c} \\ & (c = -4) \\ & = \frac{7}{4} \end{aligned}$$

$$\begin{aligned} 5. \quad & v + \frac{v}{v} \\ & (v = -10) \\ & = -9 \end{aligned}$$

$$\begin{aligned} 9. \quad & a - \frac{-7}{a} \\ & (a = -9) \\ & = -\frac{88}{9} \end{aligned}$$

$$\begin{aligned} 2. \quad & (b+2) \cdot y \\ & (y = -5, b = -3) \\ & = 5 \end{aligned}$$

$$\begin{aligned} 6. \quad & (x + (-7))^2 \\ & (x = 4) \\ & = 9 \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{-2-a}{a} \\ & (a = -10) \\ & = -\frac{4}{5} \end{aligned}$$

$$\begin{aligned} 3. \quad & (-1) \cdot \frac{v}{10} \\ & (v = 10) \\ & = -1 \end{aligned}$$

$$\begin{aligned} 7. \quad & (x+2) \cdot 4 \\ & (x = 10) \\ & = 48 \end{aligned}$$

$$\begin{aligned} 11. \quad & \frac{-6}{-8} \cdot y \\ & (y = 7) \\ & = \frac{21}{4} \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{-9}{c} \cdot (-2) \\ & (c = 6) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 8. \quad & (-3)^3 \cdot a \\ & (a = -2) \\ & = 54 \end{aligned}$$

$$\begin{aligned} 12. \quad & u - u - u \\ & (u = 7) \\ & = -7 \end{aligned}$$

Evaluation d'Expressions (J)

Utilisez la valeur donnée pour évaluer l'expression.

1. $(z^2)^3$
($z = -2$)

5. $-4b + a$
($a = -1, b = -5$)

9. $\frac{a}{\left(\frac{2}{a}\right)}$
($a = -4$)

2. $-9 + \frac{z}{z}$
($z = 6$)

6. $\frac{v}{7} \cdot (-1)$
($v = 4$)

10. $\frac{c}{(-5)^2}$
($c = -10$)

3. $y + (-7) + 9$
($y = -2$)

7. $\frac{c}{8 - c}$
($c = -4$)

11. $y - (-3 + (-6))$
($y = 5$)

4. $5 + b + 2$
($b = -4$)

8. $(-3) \cdot -5c$
($c = 3$)

12. $x - c + (-7)$
($x = -2, c = -10$)

Evaluation d'Expressions (J) Solutions

Utilisez la valeur donnée pour évaluer l'expression.

$$\begin{aligned} 1. & (z^2)^3 \\ & (z = -2) \\ & = 64 \end{aligned}$$

$$\begin{aligned} 5. & -4b + a \\ & (a = -1, b = -5) \\ & = 19 \end{aligned}$$

$$\begin{aligned} 9. & \frac{a}{\left(\frac{2}{a}\right)} \\ & (a = -4) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 2. & -9 + \frac{z}{z} \\ & (z = 6) \\ & = -8 \end{aligned}$$

$$\begin{aligned} 6. & \frac{v}{7} \cdot (-1) \\ & (v = 4) \\ & = -\frac{4}{7} \end{aligned}$$

$$\begin{aligned} 10. & \frac{c}{(-5)^2} \\ & (c = -10) \\ & = -\frac{2}{5} \end{aligned}$$

$$\begin{aligned} 3. & y + (-7) + 9 \\ & (y = -2) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 7. & \frac{c}{8-c} \\ & (c = -4) \\ & = -\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 11. & y - (-3 + (-6)) \\ & (y = 5) \\ & = 14 \end{aligned}$$

$$\begin{aligned} 4. & 5 + b + 2 \\ & (b = -4) \\ & = 3 \end{aligned}$$

$$\begin{aligned} 8. & (-3) \cdot -5c \\ & (c = 3) \\ & = 45 \end{aligned}$$

$$\begin{aligned} 12. & x - c + (-7) \\ & (x = -2, c = -10) \\ & = 1 \end{aligned}$$