

Evaluating Expressions (C)

Evaluate each expression using the values given.

1. $(3 + b + x) \div (b - 1) + 10$
($x = 6, b = 9$)

6. $(2 + 2 \div 2 - u) \div (9 \cdot 8)$
($u = 1$)

2. $4(v - 1 - v \div 5) + 10$
($v = 10$)

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

3. $c - (3 + 2 - y \div c) - x$
($y = 8, x = 1, c = 7$)

8. $4y(2 - x \div 2 \div x)$
($y = 6, x = 10$)

4. $z - 6 \div (10 + 5 + c) - 1$
($c = 1, z = 6$)

9. $\left((2 - x)^3\right)^4 \cdot v \div y$
($y = 1, x = 1, v = 10$)

5. $z(z - 7) \cdot (v - 6) \cdot v$
($z = 10, v = 6$)

10. $10 + x - z \div z + z^2$
($x = 5, z = 9$)

Evaluating Expressions (C) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & (3 + b + x) \div (b - 1) + 10 \\ & (x = 6, b = 9) \\ & = \frac{49}{4} \end{aligned}$$

$$\begin{aligned} 6. & (2 + 2 \div 2 - u) \div (9 \cdot 8) \\ & (u = 1) \\ & = \frac{1}{36} \end{aligned}$$

$$\begin{aligned} 2. & 4(v - 1 - v \div 5) + 10 \\ & (v = 10) \\ & = 38 \end{aligned}$$

$$\begin{aligned} 7. & y + (7 + y) \cdot 2 - 4 \cdot 4 \\ & (y = 4) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 3. & c - (3 + 2 - y \div c) - x \\ & (y = 8, x = 1, c = 7) \\ & = \frac{15}{7} \end{aligned}$$

$$\begin{aligned} 8. & 4y(2 - x \div 2 \div x) \\ & (y = 6, x = 10) \\ & = 36 \end{aligned}$$

$$\begin{aligned} 4. & z - 6 \div (10 + 5 + c) - 1 \\ & (c = 1, z = 6) \\ & = \frac{37}{8} \end{aligned}$$

$$\begin{aligned} 9. & \left((2 - x)^3 \right)^4 \cdot v \div y \\ & (y = 1, x = 1, v = 10) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 5. & z(z - 7) \cdot (v - 6) \cdot v \\ & (z = 10, v = 6) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 10. & 10 + x - z \div z + z^2 \\ & (x = 5, z = 9) \\ & = 95 \end{aligned}$$