

Evaluating Expressions (A)

Evaluate each expression using the values given.

1. $(u - u \div (8 - x)) \cdot 7 - u$
 $(x = 4, u = 6)$

6. $(2 - v) \div (10 \div y \cdot 3) \div 5$
 $(y = 8, v = 2)$

2. $b + 3 + 2 - z + 8 - b$
 $(b = 8, z = 1)$

7. $v \cdot v - y + cy \cdot 5$
 $(y = 1, c = 7, v = 3)$

3. $3 \div 1 (u + 1 \div 6 + a)$
 $(a = 6, u = 3)$

8. $(z - 7) \div (9 - (4 - 3) \cdot 7)$
 $(z = 10)$

4. $(x - c) \div (4 \div (4 \cdot 3)) - 4$
 $(x = 9, c = 5)$

9. $x - 7 + y(x - (y - 7))$
 $(y = 7, x = 7)$

5. $10 \div (6 \div (a \cdot a)) \cdot a \div 9$
 $(a = 3)$

10. $(x - 6 \div 2) \div (c \cdot c) \cdot 2$
 $(x = 8, c = 6)$

Evaluating Expressions (A) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & (u - u \div (8 - x)) \cdot 7 - u \\ & (x = 4, u = 6) \\ & = \frac{51}{2} \end{aligned}$$

$$\begin{aligned} 6. & (2 - v) \div (10 \div y \cdot 3) \div 5 \\ & (y = 8, v = 2) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 2. & b + 3 + 2 - z + 8 - b \\ & (b = 8, z = 1) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 7. & v \cdot v - y + cy \cdot 5 \\ & (y = 1, c = 7, v = 3) \\ & = 43 \end{aligned}$$

$$\begin{aligned} 3. & 3 \div 1 (u + 1 \div 6 + a) \\ & (a = 6, u = 3) \\ & = \frac{55}{2} \end{aligned}$$

$$\begin{aligned} 8. & (z - 7) \div (9 - (4 - 3) \cdot 7) \\ & (z = 10) \\ & = \frac{3}{2} \end{aligned}$$

$$\begin{aligned} 4. & (x - c) \div (4 \div (4 \cdot 3)) - 4 \\ & (x = 9, c = 5) \\ & = 8 \end{aligned}$$

$$\begin{aligned} 9. & x - 7 + y(x - (y - 7)) \\ & (y = 7, x = 7) \\ & = 49 \end{aligned}$$

$$\begin{aligned} 5. & 10 \div (6 \div (a \cdot a)) \cdot a \div 9 \\ & (a = 3) \\ & = 5 \end{aligned}$$

$$\begin{aligned} 10. & (x - 6 \div 2) \div (c \cdot c) \cdot 2 \\ & (x = 8, c = 6) \\ & = \frac{5}{18} \end{aligned}$$