

Evaluating Expressions (D)

Evaluate each expression using the values given.

1. $10(x - v) \cdot 7 \cdot 4$
($x = 4, v = 4$)

6. $(7 + a^2) \cdot 3 + z$
($a = 2, z = 4$)

2. $(b + 4) \div ((7 - a) \cdot y)$
($a = 1, y = 6, b = 9$)

7. $6 \div 4 + 2b \cdot c$
($c = 2, b = 7$)

3. $y + 7 + 10 - (c - 10)$
($y = 9, c = 10$)

8. $v + 7 \cdot 6 - 2a$
($a = 7, v = 10$)

4. $u + 1 + x - y - 6$
($y = 1, x = 9, u = 3$)

9. $9 + (10 - (z - 10)) \div z$
($z = 10$)

5. $8 \cdot 3(x - 3) - x$
($x = 4$)

10. $(9 + v - b)(7 - v)$
($b = 7, v = 2$)

Evaluating Expressions (D) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 10(x - v) \cdot 7 \cdot 4 \\ & (x = 4, v = 4) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 6. & (7 + a^2) \cdot 3 + z \\ & (a = 2, z = 4) \\ & = 37 \end{aligned}$$

$$\begin{aligned} 2. & (b + 4) \div ((7 - a) \cdot y) \\ & (a = 1, y = 6, b = 9) \\ & = \frac{13}{36} \end{aligned}$$

$$\begin{aligned} 7. & 6 \div 4 + 2b \cdot c \\ & (c = 2, b = 7) \\ & = \frac{59}{2} \end{aligned}$$

$$\begin{aligned} 3. & y + 7 + 10 - (c - 10) \\ & (y = 9, c = 10) \\ & = 26 \end{aligned}$$

$$\begin{aligned} 8. & v + 7 \cdot 6 - 2a \\ & (a = 7, v = 10) \\ & = 38 \end{aligned}$$

$$\begin{aligned} 4. & u + 1 + x - y - 6 \\ & (y = 1, x = 9, u = 3) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 9. & 9 + (10 - (z - 10)) \div z \\ & (z = 10) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 5. & 8 \cdot 3(x - 3) - x \\ & (x = 4) \\ & = 20 \end{aligned}$$

$$\begin{aligned} 10. & (9 + v - b)(7 - v) \\ & (b = 7, v = 2) = 20 \end{aligned}$$