

Evaluating Expressions (H)

Evaluate each expression using the values given.

1. $6 - (5 \div a)^3 + 8$
($a = 5$)

6. $2 + u + 5 - 6 + x$
($x = 10, u = 1$)

2. $u \div 2 \cdot u \div u \div v$
($u = 10, v = 4$)

7. $(9 - a + 5a) \div c$
($a = 6, c = 9$)

3. $x - (10 - y) - 4 \div 9$
($y = 8, x = 8$)

8. $4 + y(10 + b) \div 3$
($y = 9, b = 1$)

4. $v \div 2 - v \div (b + 8)$
($b = 3, v = 10$)

9. $3 + 10 - u^4 - 6$
($u = 1$)

5. $3 \div z \cdot bv \div 7$
($z = 2, b = 9, v = 2$)

10. $(u - c) \div (c + u^4)$
($c = 3, u = 3$)

Evaluating Expressions (H) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 6 - (5 \div a)^3 + 8 \\ & (a = 5) \\ & = 13 \end{aligned}$$

$$\begin{aligned} 6. & 2 + u + 5 - 6 + x \\ & (x = 10, u = 1) \\ & = 12 \end{aligned}$$

$$\begin{aligned} 2. & u \div 2 \cdot u \div u \div v \\ & (u = 10, v = 4) \\ & = \frac{5}{4} \end{aligned}$$

$$\begin{aligned} 7. & (9 - a + 5a) \div c \\ & (a = 6, c = 9) \\ & = \frac{11}{3} \end{aligned}$$

$$\begin{aligned} 3. & x - (10 - y) - 4 \div 9 \\ & (y = 8, x = 8) \\ & = \frac{50}{9} \end{aligned}$$

$$\begin{aligned} 8. & 4 + y(10 + b) \div 3 \\ & (y = 9, b = 1) \\ & = 37 \end{aligned}$$

$$\begin{aligned} 4. & v \div 2 - v \div (b + 8) \\ & (b = 3, v = 10) \\ & = \frac{45}{11} \end{aligned}$$

$$\begin{aligned} 9. & 3 + 10 - u^4 - 6 \\ & (u = 1) \\ & = 6 \end{aligned}$$

$$\begin{aligned} 5. & 3 \div z \cdot bv \div 7 \\ & (z = 2, b = 9, v = 2) \\ & = \frac{27}{7} \end{aligned}$$

$$\begin{aligned} 10. & (u - c) \div (c + u^4) \\ & (c = 3, u = 3) \\ & = 0 \end{aligned}$$