

## Evaluating Expressions (G)

Evaluate each expression using the values given.

1.  $a + c - (3 + 2 - 1) - y$   
( $a = 9, y = 2, c = 8$ )

6.  $v \cdot x \div (6 \cdot 10) \cdot vx$   
( $x = 3, v = 8$ )

2.  $2 + 1 \div (y \div 2) \cdot a^2$   
( $y = 1, a = 7$ )

7.  $(a + 6) \div (2 \div 2) \div 5 \cdot v$   
( $a = 5, v = 6$ )

3.  $(7 - 10 \div c) \div (ax + c)$   
( $a = 3, x = 8, c = 5$ )

8.  $9 \div z - 2 - z(4 + 1)$   
( $z = 2$ )

4.  $(2 + y - 10) \cdot y(y - y)$   
( $y = 8$ )

9.  $x + 8 - 3 \div (x - b + u)$   
( $x = 10, b = 7, u = 6$ )

5.  $y \cdot (a^2 + a) \cdot 1^4$   
( $y = 5, a = 3$ )

10.  $v \div c(1 - v) \div (c + 7)$   
( $c = 5, v = 1$ )

## Evaluating Expressions (G) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & a + c - (3 + 2 - 1) - y \\ & (a = 9, y = 2, c = 8) \\ & = 11 \end{aligned}$$

$$\begin{aligned} 6. & v \cdot x \div (6 \cdot 10) \cdot vx \\ & (x = 3, v = 8) \\ & = \frac{48}{5} \end{aligned}$$

$$\begin{aligned} 2. & 2 + 1 \div (y \div 2) \cdot a^2 \\ & (y = 1, a = 7) \\ & = 100 \end{aligned}$$

$$\begin{aligned} 7. & (a + 6) \div (2 \div 2) \div 5 \cdot v \\ & (a = 5, v = 6) \\ & = \frac{66}{5} \end{aligned}$$

$$\begin{aligned} 3. & (7 - 10 \div c) \div (ax + c) \\ & (a = 3, x = 8, c = 5) \\ & = \frac{5}{29} \end{aligned}$$

$$\begin{aligned} 8. & 9 \div z - 2 - z(4 + 1) \\ & (z = 2) \\ & = \frac{9}{2} \end{aligned}$$

$$\begin{aligned} 4. & (2 + y - 10) \cdot y(y - y) \\ & (y = 8) \\ & = 0 \end{aligned}$$

$$\begin{aligned} 9. & x + 8 - 3 \div (x - b + u) \\ & (x = 10, b = 7, u = 6) \\ & = \frac{53}{3} \end{aligned}$$

$$\begin{aligned} 5. & y \cdot (a^2 + a) \cdot 1^4 \\ & (y = 5, a = 3) \\ & = 60 \end{aligned}$$

$$\begin{aligned} 10. & v \div c(1 - v) \div (c + 7) \\ & (c = 5, v = 1) \\ & = 0 \end{aligned}$$