

Evaluating Expressions (G)

Evaluate each expression using the values given.

1. $3(5 + 2^2) - y$
($y = 4$)

6. $5b - 9 + b + 1$
($b = 3$)

2. $yv - 6 \cdot x \div v$
($y = 4, x = 2, v = 4$)

7. $(c - v \div v) \div (y - 3)$
($y = 8, c = 8, v = 9$)

3. $2 \cdot z^3 \div (y - z)$
($y = 7, z = 2$)

8. $3 - v(c + 10 - v)$
($c = 5, v = 2$)

4. $5 \div 1 + (b - b)^2$
($b = 8$)

9. $x \div (z(2 + 3 \cdot 5))$
($x = 7, z = 2$)

5. $4 - ((y - y) \div y)^2$
($y = 5$)

10. $10 + 8 - 2 + cv$
($c = 10, v = 8$)

Evaluating Expressions (G) Answers

Evaluate each expression using the values given.

$$\begin{aligned} 1. & 3(5 + 2^2) - y \\ & (y = 4) \\ & = 23 \end{aligned}$$

$$\begin{aligned} 6. & 5b - 9 + b + 1 \\ & (b = 3) \\ & = 10 \end{aligned}$$

$$\begin{aligned} 2. & yv - 6 \cdot x \div v \\ & (y = 4, x = 2, v = 4) \\ & = 13 \end{aligned}$$

$$\begin{aligned} 7. & (c - v \div v) \div (y - 3) \\ & (y = 8, c = 8, v = 9) \\ & = \frac{7}{5} \end{aligned}$$

$$\begin{aligned} 3. & 2 \cdot z^3 \div (y - z) \\ & (y = 7, z = 2) \\ & = \frac{16}{5} \end{aligned}$$

$$\begin{aligned} 8. & 3 - v(c + 10 - v) \\ & (c = 5, v = 2) \\ & = 13 \end{aligned}$$

$$\begin{aligned} 4. & 5 \div 1 + (b - b)^2 \\ & (b = 8) \\ & = 5 \end{aligned}$$

$$\begin{aligned} 9. & x \div (z(2 + 3 \cdot 5)) \\ & (x = 7, z = 2) \\ & = \frac{7}{34} \end{aligned}$$

$$\begin{aligned} 5. & 4 - ((y - y) \div y)^2 \\ & (y = 5) \\ & = 4 \end{aligned}$$

$$\begin{aligned} 10. & 10 + 8 - 2 + cv \\ & (c = 10, v = 8) \\ & = 96 \end{aligned}$$