

Evaluating Expressions

Evaluate each using the values given.

1) $y \div 2 + x$; use $x = 1$, and $y = 2$

$$\begin{array}{r} 2 \div 2 + 1 \\ 1 + 1 \\ 2 \end{array}$$

3) $p^2 + m$; use $m = 1$, and $p = 5$

$$\begin{array}{r} 5^2 + 1 \\ 25 + 1 \\ 26 \end{array}$$

5) $m + p \div 5$; use $m = 1$, and $p = 5$

$$\begin{array}{r} 1 + 5 \div 5 \\ 1 + 1 \\ 2 \end{array}$$

7) $z(x + y)$; use $x = 6$, $y = 8$, and $z = 6$

$$\begin{array}{r} 6(6 + 8) \\ 6(14) \\ 84 \end{array}$$

9) $p^3 + 10 + m$; use $m = 9$, and $p = 3$

$$\begin{array}{r} 3^3 + 10 + 9 \\ 27 + 10 + 9 \\ 37 + 9 = 46 \end{array}$$

11) $p^2 m \div 4$; use $m = 4$, and $p = 7$

$$7^2 \cdot 4 \div 4$$

$$42 \cdot 4 \div 4$$

$$168 \div 4 = 42$$

13) $z - (y \div 3 - 1)$; use $y = 3$, and $z = 7$

$$7 - (3 \div 3 - 1)$$

$$7 - (1 - 1)$$

$$7 - 0 = 7$$

2) $a - 5 - b$; use $a = 10$, and $b = 4$

$$\begin{array}{r} 10 - 5 - 4 \\ 5 - 4 \\ 1 \end{array}$$

4) $y + 9 - x$; use $x = 1$, and $y = 3$

$$\begin{array}{r} 3 + 9 - 1 \\ 12 - 1 \\ 11 \end{array}$$

6) $y^2 - x$; use $x = 7$, and $y = 7$

$$\begin{array}{r} 7^2 - 7 \\ 42 - 7 \\ 35 \end{array}$$

8) $x + y + y$; use $x = 9$, and $y = 10$

$$\begin{array}{r} 9 + 10 + 10 \\ 19 + 10 \\ 29 \end{array}$$

10) $6q + m - m$; use $m = 8$, and $q = 3$

$$\begin{array}{r} 6 \cdot 3 + 8 - 8 \\ 18 + 8 - 8 \\ 26 - 8 = 18 \end{array}$$

12) $y - (z + z^2)$; use $y = 10$, and $z = 2$

$$\begin{array}{r} 10 - (2 + 2^2) \\ 10 - (2 + 4) \\ 10 - 6 = 4 \end{array}$$

14) $(y + x) \div 2 + x$; use $x = 1$, and $y = 1$

$$\begin{array}{r} (1 + 1) \div 2 \\ 2 \div 2 \\ 1 \end{array}$$