Evaluating Variable Expressions

Evaluate each using the values given.

1) \( n^2 - m \); use \( m = 7 \), and \( n = 8 \)

2) \( 8(x - y) \); use \( x = 5 \), and \( y = 2 \)

3) \( yx ÷ 2 \); use \( x = 7 \), and \( y = 2 \)

4) \( m - n ÷ 4 \); use \( m = 5 \), and \( n = 8 \)

5) \( x - y + 6 \); use \( x = 6 \), and \( y = 1 \)

6) \( z + x^3 \); use \( x = 1 \), and \( z = 19 \)

7) \( y + yx \); use \( x = 15 \), and \( y = 8 \)

8) \( q ÷ 6 + p \); use \( p = 10 \), and \( q = 12 \)

9) \( x + 8 - y \); use \( x = 20 \), and \( y = 17 \)

10) \( 15 - (m + p) \); use \( m = 3 \), and \( p = 10 \)

11) \( 10 - x + y ÷ 2 \); use \( x = 5 \), and \( y = 2 \)

12) \( p - 2 + qp \); use \( p = 7 \), and \( q = 4 \)
13) $zy + 4y$; use $y = 5$, and $z = 2$

14) $b(a + b) + a$; use $a = 9$, and $b = 4$

15) $p^2 \div 4 - m$; use $m = 3$, and $p = 4$

16) $x(y \div 3)^2$; use $x = 4$, and $y = 9$

17) $4 + m + n - m$; use $m = 4$, and $n = 9$

18) $qp + q - p$; use $p = 7$, and $q = 3$

19) $mn \div 6 + 10$; use $m = 7$, and $n = 6$

20) $h + j(j - h)$; use $h = 2$, and $j = 6$

21) $(b - 1)^2 + a^2$; use $a = 6$, and $b = 1$

22) $y(x - (9 - 4y))$; use $x = 4$, and $y = 2$

23) $x - (x - (x - y^3))$; use $x = 9$, and $y = 1$

24) $j(h - 9)^3 + 2$; use $h = 9$, and $j = 8$
Evaluate each using the values given.

1) \( n^2 - m \); use \( m = 7 \), and \( n = 8 \)
   \[ 57 \]

2) \( 8(x - y) \); use \( x = 5 \), and \( y = 2 \)
   \[ 24 \]

3) \( yx \div 2 \); use \( x = 7 \), and \( y = 2 \)
   \[ 7 \]

4) \( m - n \div 4 \); use \( m = 5 \), and \( n = 8 \)
   \[ 3 \]

5) \( x - y + 6 \); use \( x = 6 \), and \( y = 1 \)
   \[ 11 \]

6) \( z + x^3 \); use \( x = 1 \), and \( z = 19 \)
   \[ 20 \]

7) \( y + yx \); use \( x = 15 \), and \( y = 8 \)
   \[ 128 \]

8) \( q \div 6 + p \); use \( p = 10 \), and \( q = 12 \)
   \[ 12 \]

9) \( x + 8 - y \); use \( x = 20 \), and \( y = 17 \)
   \[ 11 \]

10) \( 15 - (m + p) \); use \( m = 3 \), and \( p = 10 \)
    \[ 2 \]

11) \( 10 - x + y \div 2 \); use \( x = 5 \), and \( y = 2 \)
    \[ 6 \]

12) \( p - 2 + qp \); use \( p = 7 \), and \( q = 4 \)
    \[ 33 \]
13) \(zy + 4y\); use \(y = 5\), and \(z = 2\)

14) \(b(a + b) + a\); use \(a = 9\), and \(b = 4\)

15) \(p^2 \div 4 - m\); use \(m = 3\), and \(p = 4\)

16) \(x(y \div 3)^2\); use \(x = 4\), and \(y = 9\)

17) \(4 + m + n - m\); use \(m = 4\), and \(n = 9\)

18) \(qp + q - p\); use \(p = 7\), and \(q = 3\)

19) \(mn \div 6 + 10\); use \(m = 7\), and \(n = 6\)

20) \(h + j(j - h)\); use \(h = 2\), and \(j = 6\)

21) \((b - 1)^2 + a^2\); use \(a = 6\), and \(b = 1\)

22) \(y(x - (9 - 4y))\); use \(x = 4\), and \(y = 2\)

23) \(x - (x - (x - y^3))\); use \(x = 9\), and \(y = 1\)

24) \(j(h - 9)^3 + 2\); use \(h = 9\), and \(j = 8\)