

HW: ODDS ONLY

Evaluating Variable Expressions

Evaluate each using the values given.

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

$$\begin{array}{r} 8^2 - 7 \\ 64 - 7 \\ \hline 57 \end{array}$$

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

3) $yx \div 2$; use $x = 7$, and $y = 2$

$$\begin{array}{r} 2(7) \div 2 \\ 14 \div 2 \\ \hline 7 \end{array}$$

4) $m - n \div 4$; 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) $q \div 6 + p$; use $p = 10$, and $q = 12$

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

$$\begin{array}{r} 20 + 8 - 17 \\ \hline 28 - 17 \\ \hline 11 \end{array}$$

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

11) $10 - x + y \div 2$; 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 $p = 4$

$$\begin{array}{l} 4^2 \div 4 - 3 \\ \underline{16 \div 4 - 3} \\ 4 - 3 \end{array} \quad \boxed{1}$$

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 $j = 8$

$$\begin{array}{l} 9 - (9 - (9 - 1^3)) \\ 9 - (9 - (8)) \\ 9 - (1) \\ \boxed{8} \end{array}$$

HW: All of these

Kuta Software - Infinite Pre-Algebra

Name _____

Simplifying Variable Expressions

Date _____ Period _____

Simplify each expression.

1) $-3p + 6p$ $3p$

2) $b - 3 + 6 - 2b$

$-1b + 3 \rightarrow 3 - 1b$ ok

3) $7x - x$

4) $7p - 10p$

5) $-10v + 6v$

6) $-9r + 10r$

7) $9 + 5r - 9r$

8) $1 - 3v + 10$ Expression
 $-3v + 11$

9) $5n + 9n$

10) $4b + 6 - 4$

11) $35n - 1 + 46$

12) $-33v - 49v$

13) $30n + 8n$

14) $7x + 31x$

15) $10x + 36 - 38x - 47$

16) $-2(7 - n) + 4$
 $-14 + 2n + 4$
 $2n - 10$

17) $-8(-5b + 7) + 5b$

18) $-4p - (1 - 6p)$

19) $4 - 5(-4n + 3)$

20) $-7(k - 8) + 2k$

21) $1 + 7(1 - 3b)$

22) $3 - 8(7 - 5n)$
 $3 - 56 + 40n$
 $40n - 53$

