Practice 1.7, 2.1, 2.2

Name_____

(1.7) Identify the following as an equation or an expression.

1) $x + 18x - 3$

2) $16 + 9(x - 8)$

Combine like terms in the expression. Answer "not possible" if terms cannot be combined.

3) $5x + 8x$

4) $26x - y$

5) $90m^2n + 80m^2n$

Simplify the expression.

6) $8a + 11 + 7a$

7) $2(x + 7) - 14$

8) $ab + 7x + 2ab + 13x$

(2.1) Evaluate the absolute value.

9) $|-18|$

Simplify the absolute value expression.

10) $-|-16|$

Place the correct symbol, <, >, or =, in the blank between the expressions.

11) $-|-7|$ ___ $|-7|$

12) $-|-30|$ ___ -30

(2.2) Find the sum.

13) $-17 + 17$

14) $-2 + (-8)$

15) $-21 + (-21)$

State the addition property illustrated by the given equation.

16) $-21 + 23 = 23 + (-21)$

17) $(-13 + 9) + 56 = -13 + (9 + 56)$

18) $-547 + 0 = -547$

The associative and commutative properties for addition allow for three or more integers to be added in any order. Find the given sum.

19) $-34 + 19 + 15$

20) $-4 + (-10) + (-12)$

21) $-10 + 11 + 0 + (-9)$

Evaluate the expression $x + y$ for the given values of the variables.

22) $x = -90, y = 0$

23) $x = -16, y = -12$

Solve the problem.

24) A game is played with red and blue tokens. If each red token represents -1 point and each blue token represents +1 point, what is the total point value of 12 red tokens and 11 blue tokens?

25) Marco had a balance of $440 in his checking account. The following positive entries (deposits) and negative entries (withdrawals) are made to the account.

-102, 718, and -501

What is the current balance in his account?

26) The rectangle in the following figure has a perimeter of 148 inches. If the length measures (x + 6) inches and the width measures x inches, find x.

27) Five more than a number is equal to the difference of forty-one and the number. Find the number.

1) Expression
2) Expression
3) 13x
4) not possible
5) $170m^2n$
6) 15a + 11
7) 2x
8) 3ab + 20x
9) 18
10) -16
11) <
12) =
13) 0
14) -10
15) -42
16) Commutative
17) Associative
18) Identity
19) 0
20) -26
21) -8
22) -90
23) -28
24) -1
25) $555
26) 34 in.
27) 18