Review Worksheet #10

NAME_____

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Section 1 - Multiple Choice

1) Bill rides the city bus ten times each week. Each trip costs him $1.50. His friend Sarah rides the same number of times, but she uses a 12-ride pass that costs the same as ten bus rides. How much will Sarah save after six weeks using the pass?

(a) $90.00
(b) $18.00
(c) $15.00
(d) $10.00

2) Find the value for z below.

$$5(2^2 + 3) + 4 - 3 \times 2 = z$$

(a) 23
(b) 33
(c) 62
(d) 113

3) Markus bought three pieces of lace. The first piece was cut one yard in length and each of the other pieces was cut $\frac{3}{8}$ of a yard longer than the piece before it. Which was the total number of yards for all three pieces?

(a) $1\frac{3}{4}$

(b) $2\frac{3}{4}$

(c) $3\frac{3}{4}$

(d) $4\frac{1}{8}$

4) What is the value for the expression below?

$$150 \div (5 \times 2) - 3(4)$$

(a) 3
(b) 8
(c) 38
(d) 48

5) At 9:00 AM, the temperature was -14 degrees Celsius. If the temperature increased two degrees per hour, what was the temperature at 6:00 P.M.?

(a) -1 degree Celsius

(b) 0 degrees Celsius

(c) 4 degrees Celsius

(d) 18 degrees Celsius

6) In the 1996 Summer Olympics, Carl Lewis won the gold medal in the long jump by jumping a distance of 27 feet, $10\frac{1}{2}$ inches. However, this was $8\frac{3}{4}$ inches shorter than Lewis' gold medal jump in the 1988 Summer Olympics. How far did Lewis jump in the 1988 Summer Olympics?

(a) 27 feet, $2\frac{1}{4}$ inches

(b) 27 feet, $7\frac{1}{4}$ inches

(c) 28 feet, $7\frac{1}{4}$ inches

(d) 28 feet, $9\frac{1}{4}$ inches

7) $14 - 3^2 + 4 \times 5 =$ ----

(a) 45
(b) 28
(c) 25
(d) 5

8) Leslie plans to put one-half of her paycheck into her savings account and one-fourth of her paycheck into her checking account. She plans to spend one-eighth of her paycheck on new shoes and one-eighth of her paycheck on new books. How much will Leslie spend on new shoes if her paycheck is \$416?

(a) \$26
(b) \$52
(c) \$104
(d) \$208

9) Find the value of n.

$$7n = 8\left[\left(6^2 \div 9\right) \div 3\right]$$

(a) 8
(b) 7
(c) 6
(d) 5

10) Evaluate the following:

$$\left[\left(4^2 + 2\right) \div 2 + 10\right] - 2$$

(a) 13
(b) 17
(c) 24
(d) 36

11) Which of the following is *false* ?

(a) $6 \div 3 \times 2 = 12$

(b) $6^2 \div 6 \times 2 = 12$

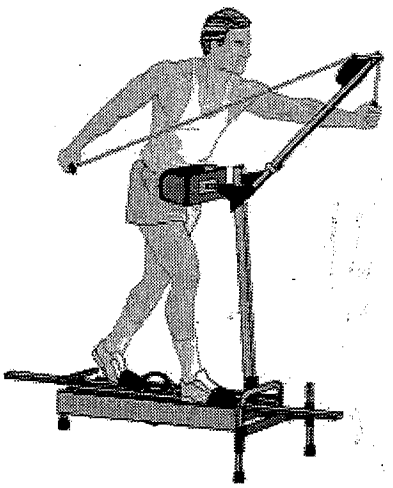
(c) $(45 \div 3) \div 4 = 12$

(d) $42 \div 8 \div 2 = 12$

12) Norma and Scott had a small summer business cutting grass. They cut small yards for $15.00 and large yards for $20.00. Each week, they cut 5 small yards and 3 large yards. After ten weeks, how much money had they earned?

(a) $135
(b) $350
(c) $1,350
(d) $1,450

13) While reading the local newspaper, Doyle comes across advertisements for 2 local health clubs. Mike's House of Pain charges $124 to join and then there is a $36 monthly fee. Mitch's Muscle Emporium charges $86 to join and there is a $42 monthly fee. Which expression can you use to determine the cost of joining Mike's House of Pain for one year?



(a) $124 + 36$

(b) $124 \div 36 \times 12$

(c) $124 \times 12 \div 36$

(d) $124 \times (12 \div 36)$

14) Evaluate the following expression using the order of operations.

$5(8 \div 6)^3 \div 6 \div 2$

(a) 8
(b) 23
(c) 43
(d) 503

15) Simplify.

$-(5x + 7)$

(a) $5x + 7y$

(b) $-5x + 7y$

(c) $5x - 7y$

(d) $-5x - 7y$