Name _____ Date _____ Class _____

LESSON 2-1

Review

Variables and Expressions

Evaluate each expression to find the missing values in the tables.

1.

n	$n \div 15$
30	
75	
15	
105	

2.

n	$3n - 2^3$
3	
8	
10	
20	

3.

n	$n + 17$
34	
55	
26	
100	

4.

l	w	$l \times w$
5	3	
6	3	
7	3	
8	3	

Evaluate each expression for the given value of the variable.

5. $5x + 2$ for $x = 4$ _____

6. $63 - 8z$ for $z = 7$ _____

7. $176 \div p$ for $p = 2$ _____

8. $\frac{64}{v} - 11$ for $v = 4$ _____

9. $19w$ for $w = 5$ _____

10. $98 - 5q$ for $q = 7$ _____

11. $48 \div n$ for $n = 3$ _____

12. $x + x + x$ for $x = 15$ _____

13. $16 + n^2$ for $n = 3$ _____

14. What is the next expression in the following pattern: $4n$; $8n$; $16n$? _____

15. What is the next expression in the pattern $x + 27$; $x + 24$; $x + 21$? _____

Name _____ Date _____ Class _____

LESSON 2-2

Review (Challenging ☺)

Translating Between Words and Math

Write each phrase as a numerical or algebraic expression.

1. the sum of 140 and 300

2. 95 less than the quotient of x and 12

3. 144 less than 500

4. 22 added to the product of 14 and n

5. The difference of 98 and p

6. 85 more than twice m

Write two <u>phrases</u> for each expression.

7. $\frac{150}{n}$

8. $79 - w$

9. $12 + 29q$

10. $(87 - p) + 11$

11. $(28 \div x) - 6$

12. $(4 + z) - 18$

13. Mohamed bought several bottles of juice for \$3 each. He paid for them all with a \$20 bill. If j represents the number of bottles Mohamed bought, what expression represents the change he would receive?

14. A giant bamboo plant grew 18 inches per year. When Mrs. Sanchez started measuring the plant it was 5 inches tall. If y represents the number of years she measured the plant, what expression represents its height?