Name _____ Date _____ Class _____

LESSON 2-1

Practice B Show all work.

Variables and Expressions

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

1.

n	$n + 8^2$
7	71
9	
22	
35	

7+64

2.

n	$25 - n$
20	5
5	
18	
9	

25-5

3.

n	$n \cdot 7$
8	56
9	
11	
12	

8.7

4.

n	$24 \div n$
2	12
6	
4	
8	

24÷2

5.

n	$n + 15$
35	
5	
20	
85	

35+15

6.

n	$n \cdot 2^3$
7	
4	
10	
13	

7.8

7. A car is traveling at a speed of 55 miles per hour. You want to write an algebraic expression to show how far the car will travel in a certain number of hours. What will be your constant? your variable?

8. Shawn evaluated the algebraic expression $x \div 4$ for $x = 12$ and gave an answer of 8. What was his error? What is the correct answer?

Name _____ Date _____ Class _____

LESSON 2-1

Practice C Show all work.

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	
29	

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 $x + 27$; $x + 24$; $x + 21$?

_____