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 | |

**2.**

| $n$ | $25 - n$ |
|---|---|
| 20 | 5 |
| 5 | |
| 18 | |
| 9 | |

**3.**

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

**4.**

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

**5.**

| $n$ | $n + 15$ |
|---|---|
| 35 | |
| 5 | |
| 20 | |
| 85 | |

**6.**

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

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

_____