NAME _____ DATE _____ PERIOD _____

Chapter 8 Lesson 1-4 Quiz Study Guide

1. Complete the function table at the right.

1.

Input, x	$5x$	Output, y
3		
4		
5		

Use symbols to describe the value of each term as a function of its position. Then find the 15th term in each sequence.

2.

Position	1	2	3	4	n
Value of Term	4	8	12	16	

2. Symbols: _____
   15th term: _____

3.

Position	2	4	6	8	n
Value of Term	8	10	12	14	

3. Symbols: _____
   15th term: _____

Write an equation to represent the function.

4. _____

4.

Input, x	1	2	3	4
Output, y	3	5	7	9

5.

Input, x	0	1	2	3
Output, y	12	14	16	18

5. _____

Use the following information for Exercises 6-9.

6. _____

In a board game, each team earns 3 points for each question it answers correctly.

6. Write an equation to find y, the total number of points for answering questions correctly.

7.

Correct answers, x			
Points, y			

7. Make a table to show the relationship between the number of correct answers x and the total points y for 2, 3, and 4 correct answers.

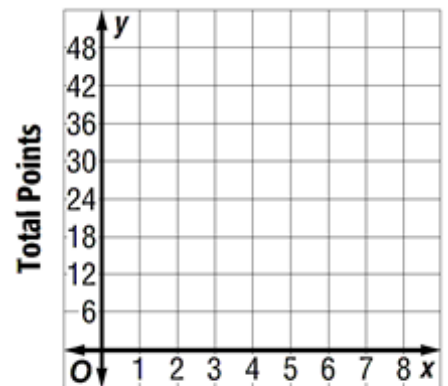**8.** Graph and label the ordered pairs (x, y).

8.

Total Points

48
42
36
30
24
18
12
6

O 1 2 3 4 5 6 7 8 x

Correct answers

9. How many points will a team earn if they answer 6 questions correctly?