

Chapter Quiz

1. Complete the function table at the right.

1.

Input, x	$x - 4$	Output, y
4		
6		
8		

Use words and symbols to describe the value of each term as a function of its position. Then find the twelfth term in each sequence.

2.

Position	1	2	3	4	n
Value of Term	3	6	9	12	■

2. _____

3.

Position	5	6	7	8	n
Value of Term	0	1	2	3	■

3. _____

Write an equation to represent the function.

4.

Input, x	1	2	3	4
Output, y	4	8	12	16

5.

Input, x	0	1	2	3
Output, y	0	12	24	36

4. _____

5. _____

Use the following information for Exercises 6–9.

SPORTS In a football game, each team earns 6 points for each touchdown it scores.

6. Write an equation to find y , the total number of points for scoring x touchdowns.

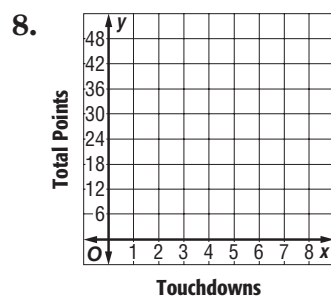
6. _____

7. Make a table to show the relationship between the number of touchdowns scored x and the total points y for 1, 2, and 3 touchdowns.

7.

Touchdowns, x			
Points, y			

8. Graph the ordered pairs (x, y) .



9. How many points will a team earn if they score 7 touchdowns?

9. _____