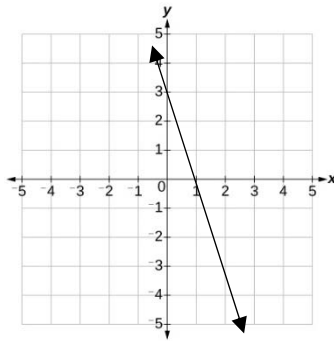Name: _____Date:_____Period:_____

Module 2 - Topic 2 Quiz Review

1. Find the slope of the line represented in the table.

x	y
5	2
10	4
20	8
35	14
40	16

Slope = _____

2. Find the slope of the line shown in the graph.

Slope = _____

3. Determine if the points in the following tables will make a straight line or not and explain how you know.

x	y
1	5
2	10
3	15

x	y
1	4
3	8
6	16

x	y
2	3
4	5
10	11

Yes / No   Yes / No   Yes / No

_____   _____   _____

_____   _____   _____

_____   _____   _____

4. What is the slope of the line that contains the points (4, 7) and (10, 9)?

Slope Formula: m = _____   Slope = _____

9-13: Use the following information to answer the following questions.

- Chris is throwing a Super Bowl party. He wants to have the party catered by either Rattler's or Stone Fire.
- Rattler's charges $40 for catering and $4 for each person that attends.
- Stone Fire charges $12 for each person who attends.

5. What is the equation that shows the Cost (C) of having Rattler's cater for (p) people?

   A. $p = 4C + 40$　　　　B. $C = 4p + 40$　　　　C. $p = 40C + 4$　　　　D. $C = 40p + 4$

6. What is the equation that shows the Cost (C) of having Stone Fire cater for (p) people?

   A. $p = 12$　　　　B. $p = 12C$　　　　C. $C = 12$　　　　D. $C = 12p$

7. Complete the table for **Rattler's** comparing the number of people (p) who attend to Cost (C).	**8.** Complete the table for **Stone Fire** comparing number of people (p) who attend to Cost (C).

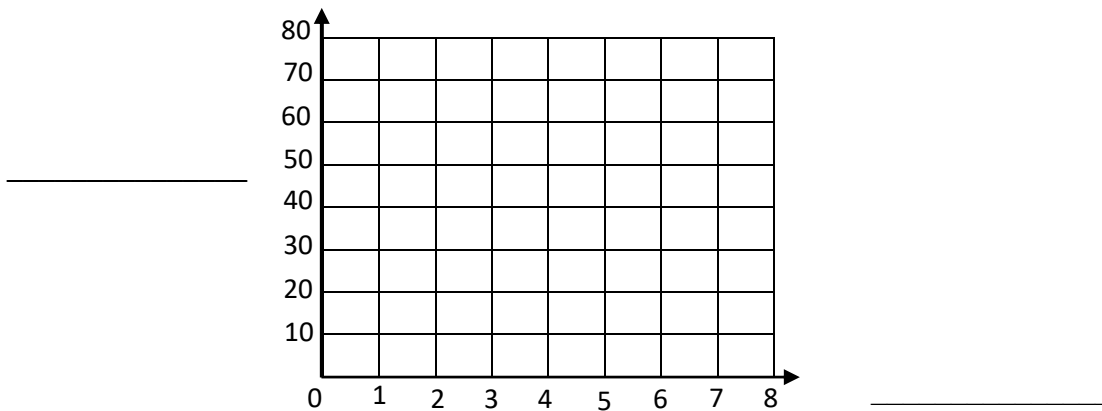| People (p)	Cost (C)
0	
1	
2	
3	
4	
5	

Rattler's

People (p)	Cost (C)
0	
1	
2	
3	
4	
5	

Stone Fire

9. Plot the points using the information above for Rattler's and Stone Fire. **Make sure you label each line.**

_____

(graph with y-axis labeled 10 to 80 in increments of 10, x-axis labeled 0 to 8)

_____

10. How many people need to attend the party for the cost to be the same? _____

11. What will the cost be when it is the same? _____

12. Give an example of a number of people for when would it be cheaper to go to Rattler's? _____

13. Give an example of a number of people for when it would be cheaper to go to Stone Fire? _____