Writing Equations Homework

Write an equation in Slope Intercept form for the following tables.

1.

x	y
-6	12
-5	14
-4	16
-3	18
-2	20

2.

x	y
-2	3
-1	6
0	9
1	12
2	15

3.

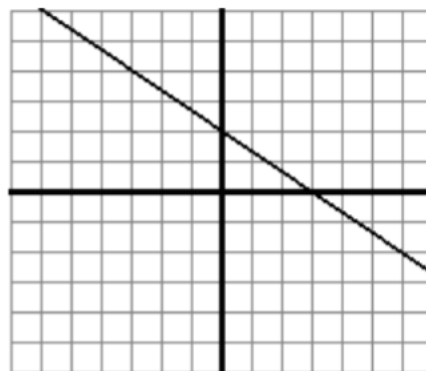| x	y
-6	12
-5	14
-4	16
-3	18
-2	20

4.

x	y
2	16
5	10
7	6
11	-2
13	-6

Write the equation for the graph.

5.
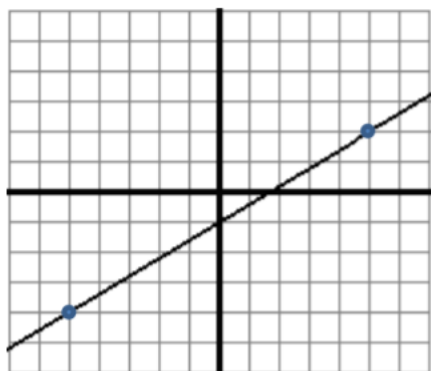
6.

7. Suppose a bike rents for $4 plus $1.50 per hour. Write an equation in slope intercept form that models this situation.

8. In order to join an online learning community, there is a $20 start up fee and a $5 monthly fee. Write an equation in slope intercept form that models this situation. How much would a yearly membership cost?

9. An airplane 30,000 feet above the ground begins descending at a rate of 2,000 feet per minute. Write an equation to model the situation. Find the altitude of the plane after 5 minutes.

10. Jessica has a bag with 80 marbles and every 2 months she loses 5 marbles. Write an equation that models the situation. How many marbles are left after 10 months?

11. The sum of 38 and twice a number is 124. Find the number.

12. Find three consecutive integers whose sum is 171.

13. Find four consecutive even integers whose sum is 244.

14. A rectangle is 12m longer than it is wide. Its perimeter is 68m. Find its length and width.