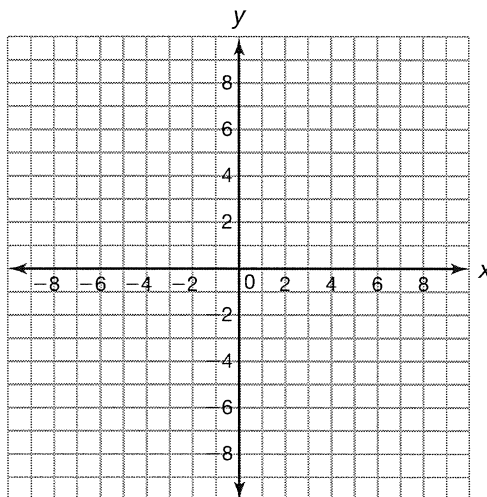


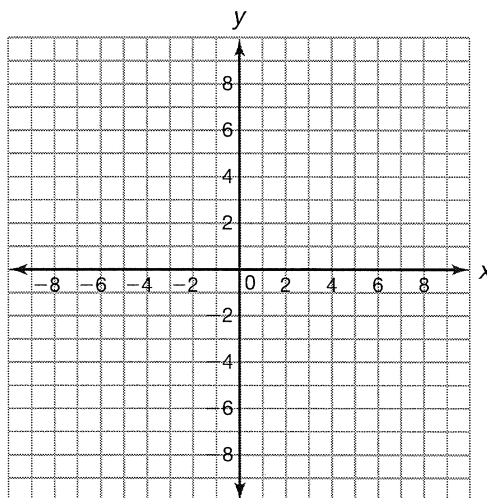
2.

x	y
-3	-2
-2	0
-1	2
0	4
1	6



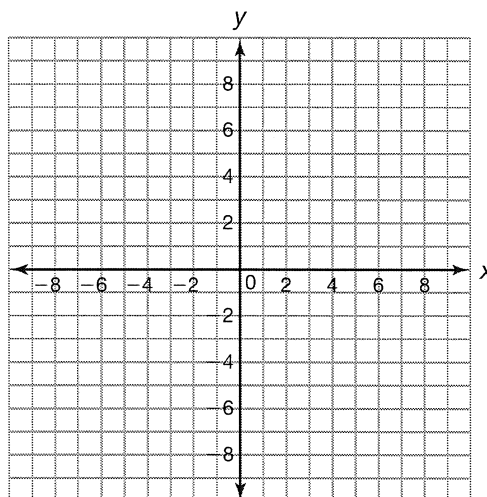
3.

x	y
-2	-8
0	0
2	4
4	4
6	0



4.

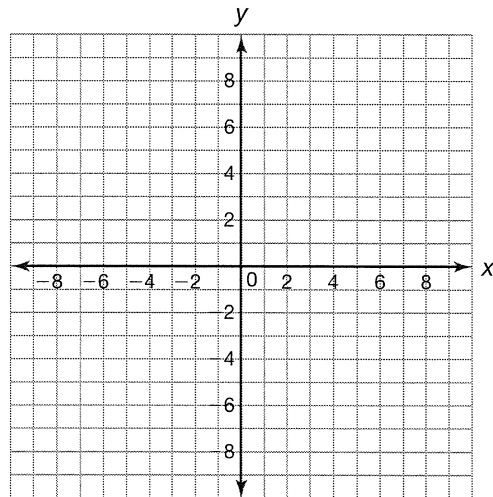
x	y
-6	6
-4	0
-2	-2
0	0
2	6



Name _____ Date _____

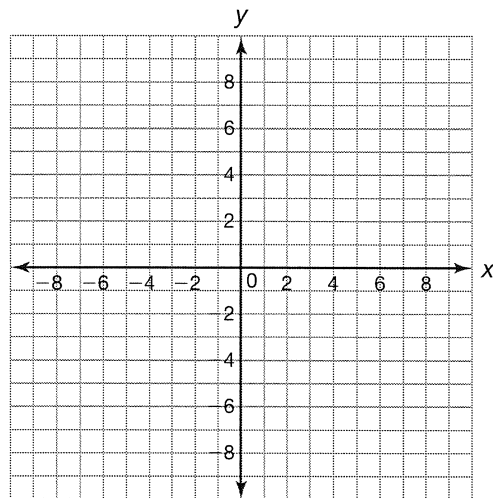
5.

x	y
1	6
2	3
3	0
4	-3
5	-6



6.

x	y
-3	-9
0	0
3	3
6	0
9	-9



Calculate the first and second differences for each table of values. Describe the type of function represented by the table.

7.

x	y	First Differences	Second Differences
-2	-6	3	
-1	-3	3	0
0	0	3	0
1	3	3	0
2	6		

The function represented by the table is a linear function.

8.

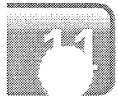
x	y	First Differences	Second Differences
-2	12		
-1	3		
0	0		
1	3		
2	12		

9.

x	y	First Differences	Second Differences
-3	3		
-2	4		
-1	5		
0	6		
1	7		

10.

x	y	First Differences	Second Differences
-1	1		
0	0		
1	3		
2	10		
3	21		



Name _____ Date _____

11.

x	y	First Differences	Second Differences
-4	-48		
-3	-27		
-2	-12		
-1	-3		
0	0		

12.

x	y	First Differences	Second Differences
-1	10		
0	8		
1	6		
2	4		
3	2		