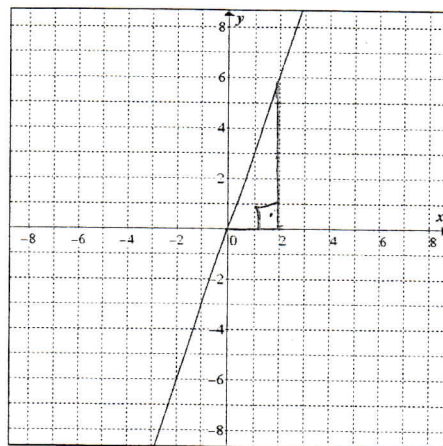


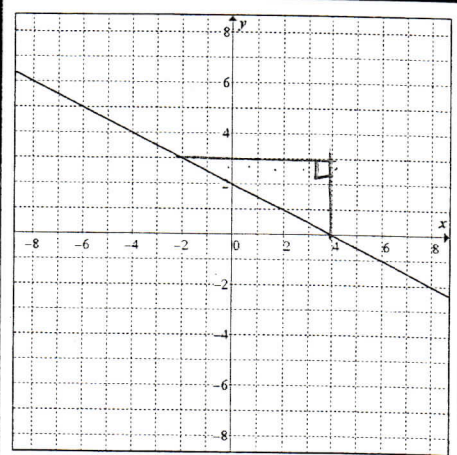
#1 slope = 2 *

x	y	first differences
0	-5	2
1	-3	2
2	-1	2
3	1	2
4	3	



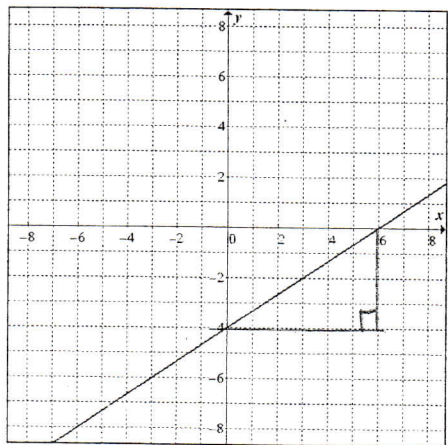
#2 slope = 3 *

x	y	first differences
-2	-6	3
-1	-3	3
0	0	3
1	3	3
2	6	



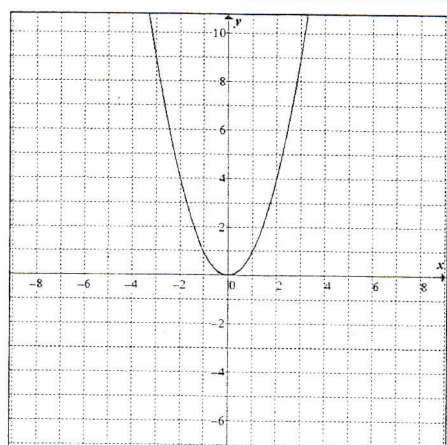
#3 slope = -1/2 *

x	y	first differences
2	1	-0.5
3	0.5	-0.5
4	0	-0.5
5	-0.5	-0.5
6	-1	



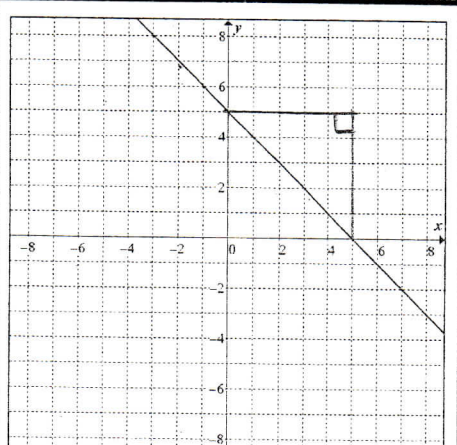
#4 slope = 2/3

x	y	first differences
-6	-8	2
-3	-6	2
0	-4	2
3	-2	2
6	0	



#5

x	y	first differences
-1	1	-1
0	0	1
1	1	3
2	4	5
3	9	



#6 slope = -1

x	y	first differences
-2	+7	-2
0	5	-3
3	2	-1
4	1	-4
8	-3	

Conclusions: All first differences are the same in a table of values ONLY IF:

- ① x-values are evenly spaced AND ② relation is linear

First differences are equal to the slope only if ①, ② AND ③ values are x & y both