First Differences

Date: _____

#1   slope = _____

x	y	*first differences*
0		
1		
2		
3		
4		////////
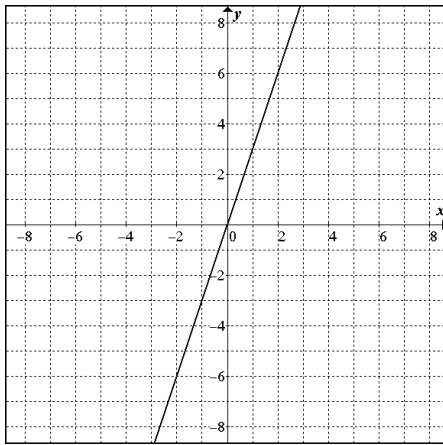
#2   slope = _____

x	y	*first differences*
−2		
−1		
0		
1		
2		////////
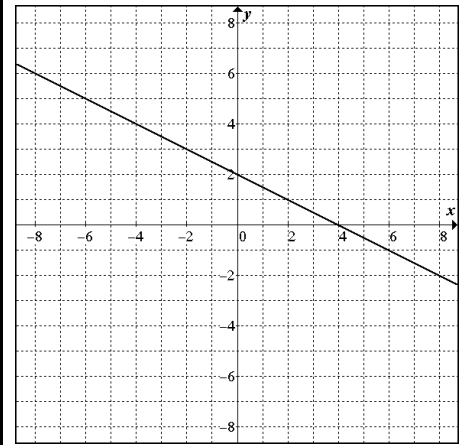
#3   slope = _____

x	y	*first differences*
2		
3		
4		
5		
6		////////
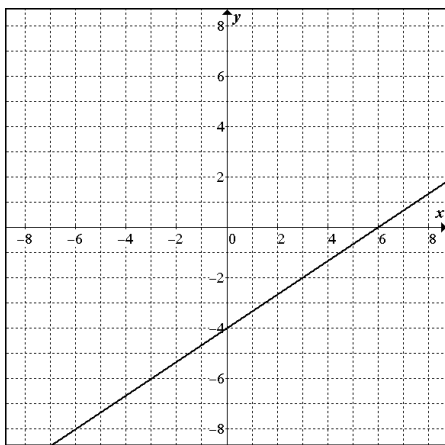
#4   slope = _____

x	y	*first differences*
−6		
−3		
0		
3		
6		////////
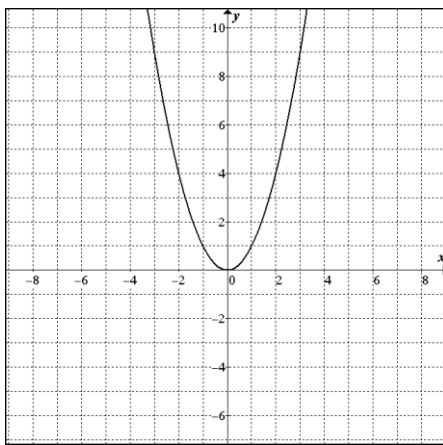
#5

x	y	*first differences*
−1		
0		
1		
2		
3		////////
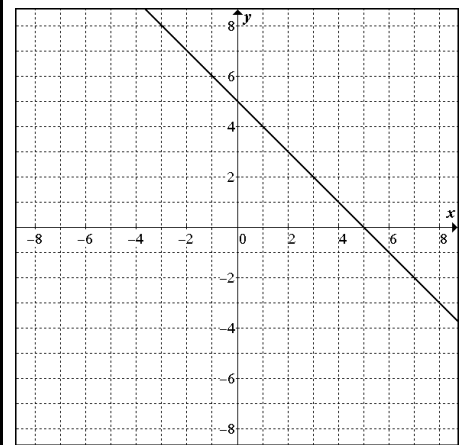
#6   slope = _____

x	y	*first differences*
−2		
0		
3		
4		
8		////////

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

①_____ AND ②_____

First differences are equal to the slope only if ①, ② AND ③_____