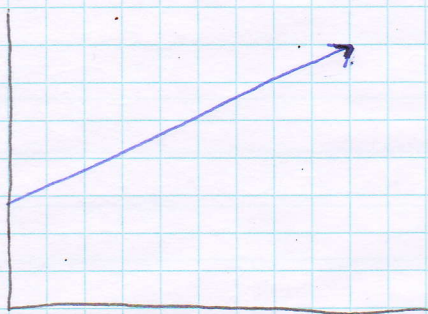


2.1a Notes - Linear & Exponential

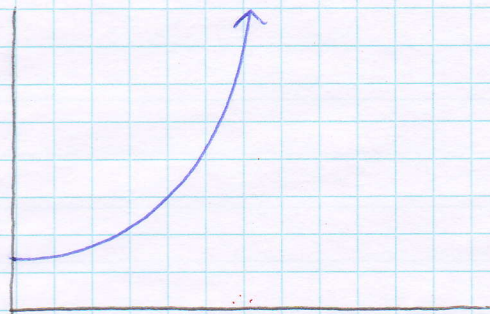
Linear

$$y = 50 - 8x$$



Exponential

$$y = 50(8)^x$$



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

Arrows indicate a constant difference of -3 between consecutive y-values.

x	y
0	9
1	27
2	81
3	243

Arrows indicate a constant ratio of x3 between consecutive y-values.

It has a common difference!

Arithmetic

It has a common ratio!

Geometric