

Labsheet 4.3A

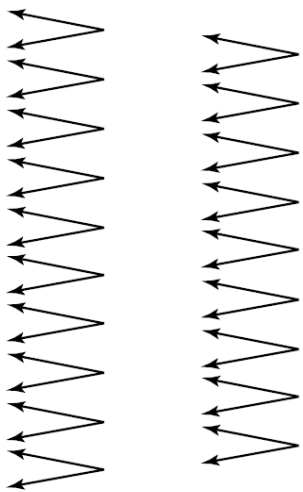
Frogs, Fleas, and Painted Cubes

First and Second Differences

$y = 2x(x + 3)$

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

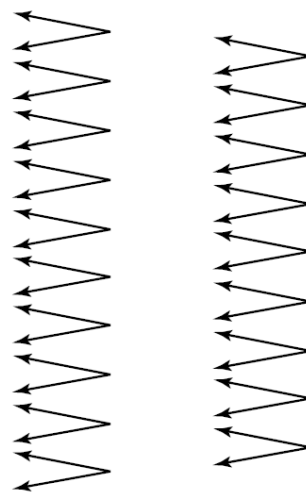
First Differences Second Differences



$y = 3x - x^2$

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

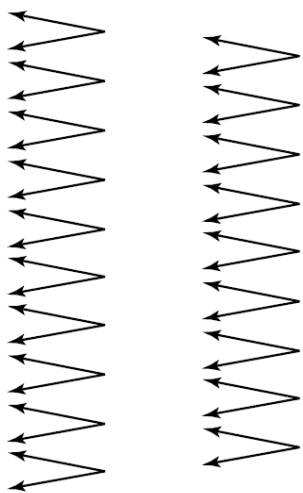
First Differences Second Differences



$y = (x - 2)^2$

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

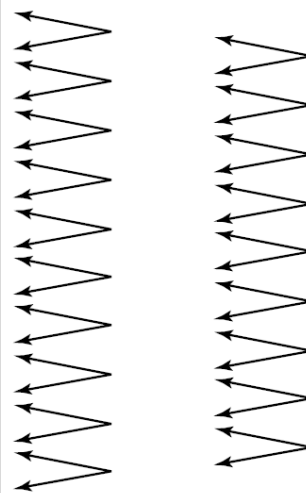
First Differences Second Differences



$y = x^2 + 5x + 6$

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

First Differences Second Differences



Labsheet 4.3B

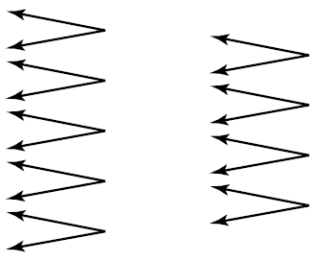
Frogs, Fleas, and Painted Cubes

First and Second Differences

$y = x + 2$

x	y
0	
1	
2	
3	
4	
5	

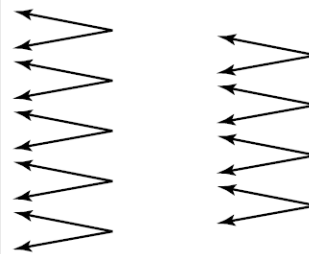
First Differences Second Differences



$y = 2x$

x	y
0	
1	
2	
3	
4	
5	

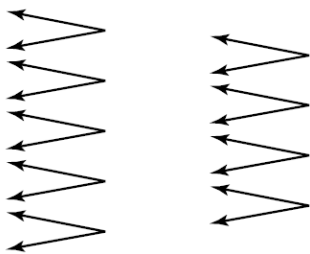
First Differences Second Differences



$y = 2^x$

x	y
0	
1	
2	
3	
4	
5	

First Differences Second Differences



$y = x^2$

x	y
0	
1	
2	
3	
4	
5	

First Differences Second Differences

