

Warm Up

1. Using finite differences, identify the function as polynomial (cubic, quartic, quintic), exponential or logarithmic. Justify your answer.

a)

x	y
-1	-2.875
0	-2.5
1	-1
2	5
3	29
4	125

b)

x	y
-3	37
-2	3
-1	-7
0	-5
1	-3
2	-13

c)

x	y
1.5	1
2	4
3	7
5	10
9	13
17	16