

Name _____

Date _____

**Constructing Linear, Quadratic, and Exponential Models of Data -
Guided Lesson**

For each problem, write a linear ($y = mx + b$), quadratic ($y = ax^2$), or exponential ($y = a(b)^x$) function that models the data.

1)

x	y
0	-4
1	0
2	8
3	20
4	36

2)

x	y
1	5
2	11
3	29
4	83
5	245

3)

x	y
-2	9
-1	16
0	23
1	30
2	37

