

Name _____

Date _____

**Constructing Linear, Quadratic, and Exponential Models of Data -
Independent Practice Worksheet**

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
-1	-5
0	3
1	11
2	19
3	27

2)

x	y
2	20
3	68
4	260
5	1028
6	5000

3)

x	y
-1	-2
0	-1
1	4
2	13
3	26

4)

x	y
1	-1
2	2
3	5
4	8
5	11

5)

x	y
3	28
4	34
5	40
6	46
7	52

6)

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



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7)

x	y
2	14
3	32
4	86
5	248
6	734

8)

x	y
0	-2
1	3
2	33
3	213
4	1293

9)

x	y
3	20
4	25
5	30
6	35
7	40

10)

x	y
2	33
3	133
4	633
5	3133
6	15633

