

Topic: Functions**Quadratic Functions**

Write the quadratic function for each table.

1.

x	f(x)
0	-4
1	-7
2	-8
3	-7
4	-4

$$f(x) = x^2 - 4x - 4$$

2.

x	g(x)
0	1
1	4
2	9
3	16
4	25

$$g(x) = x^2 + 2x + 1$$

3.

x	h(x)
0	-5
1	-9
2	-10
3	-8
4	-3

$$h(x) = \frac{3}{2}x^2 - 5.5x - 5$$

4.

x	j(x)
0	5
1	-5
2	-7
3	-1
4	13

$$j(x) = 4x^2 - 14x + 5$$