

# Identify Linear and Nonlinear Functions From Tables

Linear functions have a constant rate of change. Nonlinear functions do **not** have a constant rate of change.

Determine whether each table shows a linear or nonlinear function. Circle the correct answer.

1

x	y
1	6
2	11
3	16
4	21

**Linear****Nonlinear**

2

x	y
4	16
5	8
6	4
7	2

**Linear****Nonlinear**

3

x	y
1	5
2	4
3	2
4	-1

**Linear****Nonlinear**

4

x	y
-1	7
0	9
1	11
2	13

**Linear****Nonlinear**

5

x	y
2	1
4	3
6	7
8	13

**Linear****Nonlinear**

6

x	y
9	-6
11	-12
15	-24
18	-33

**Linear****Nonlinear**

7

x	y
-2	4
-1	1
2	4
3	9

**Linear****Nonlinear**

8

x	y
9	-1
7	2
5	5
3	8

**Linear****Nonlinear**

9

x	y
21	-3
15	-5
12	-6
-12	-14

**Linear****Nonlinear**