

U9-8 HW: Linear or Nonlinear?

Name _____

Classify the following tables and graphs as linear or nonlinear. Show your work.

1.

x	y
1	3
2	6
3	9

linear nonlinear

If linear, what is the constant rate of change? _____

2.

x	y
1	1
2	4
3	9

linear nonlinear

If linear, what is the constant rate of change? _____

3.

x	y
1	2
2	5
3	10

linear nonlinear

If linear, what is the constant rate of change? _____

4.

x	y
1	1
2	8
3	27

linear nonlinear

If linear, what is the constant rate of change? _____

5.

x	y
1	5
2	9
3	13

linear nonlinear

If linear, what is the constant rate of change? _____

6.

x	y
1	3
2	6
3	9

linear nonlinear

If linear, what is the constant rate of change? _____

7.

x	y
3	-3
6	7
9	17

linear nonlinear

If linear, what is the constant rate of change? _____

8.

x	y
1	0.5
3	1.5
5	2.5

linear nonlinear

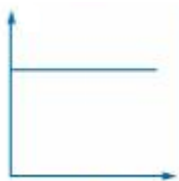
If linear, what is the constant rate of change? _____

9.

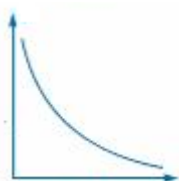
x	y
6	2
10	8
14	18

linear nonlinear

If linear, what is the constant rate of change? _____

10.

linear nonlinear

11.

linear nonlinear

12.

linear nonlinear