

Warm Up 3.2H

Name _____ Period _____

For each of the “in-out” tables below determine if it would be appropriate to say the table represents a sequence (either arithmetic or geometric). Whether a sequence or not determine if the relationship fits best with a linear or exponential model. Be sure to state WHY?

1.

In	Out
1.25	3
3.25	9
4.75	13.5
7.75	22.5

Sequence: Yes/No Why?

Linear or Exponential Why?

2.

In	Out
-1	0
1	2
7	8
9	10

Sequence: Yes/No Why?

Linear or Exponential Why?

3.

In	Out
3	2
4	5
5	8
6	11

Sequence: Yes/No Why?

Linear or Exponential Why?

4.

In	Out
1.25	3
3.25	9
4.75	13.5
7.75	22.5

Sequence: Yes/No Why?

Linear or Exponential Why?

5.

In	Out
1	6
2	12
3	24
4	48

Sequence: Yes/No Why?

Linear or Exponential Why?

6.

In	Out
3.5	5
4.5	10
6.5	40
7.5	80

Sequence: Yes/No Why?

Linear or Exponential Why?

7. What is the difference between a continuous function and a discrete function? Provide as complete an explanation as possible.