

Lesson 11T ~ Rate of Change

Name _____ Period _____ Date _____

Each table shows five terms in a recursive routine. Determine the rate of change and start value for each table.

1.

x	y
0	3
1	5
2	7
3	9
4	11

Rate of Change: _____

Start Value: _____

2.

x	y
0	7
1	12
2	17
3	22
4	27

Rate of Change: _____

Start Value: _____

3.

x	y
0	6
1	4.5
2	3
3	1.5
4	0

Rate of Change: _____

Start Value: _____

4.

x	y
0	4
2	8
4	12
6	16
8	20

Rate of Change: _____

Start Value: _____

This table moves two steps at a time. Divide by two to find the rate of change for one step.

5.

x	y
-4	1
-1	7
0	9
2	13
5	19

Rate of Change: _____

Start Value: _____

6.

x	y
-1	15
1	9
2	6
3	3
6	-6

Rate of Change: _____

Start Value: _____

The start value is not shown. Work backwards or forwards to find when $x = 0$.