

Exponential or Linear Functions (GROWTH-Toolkit)

Determine if the following table represents a linear or exponential growth function. Then write the recursive rule and the $y =$ rule for the table.

1.

0	1	2	3	4	5
5	10	20	40	80	160

2.

0	1	2	3	4	5
5	10	15	20	25	30

3.

0	1	2	3	4	5
2	5	8	11	14	17

4.

0	1	2	3	4	5
2	6	18	54	162	486

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Determine if the following table represents a linear or exponential growth function. Then write the recursive rule and the $y =$ rule for the table.

1.

0	1	2	3	4	5
3	6	12	24	48	96

2.

0	1	2	3	4	5
3	6	9	12	15	18

3.

0	1	2	3	4	5
4	12	36	108	324	972

4.

0	1	2	3	4	5
4	8	12	16	20	24

5.

0	1	2	3	4	5
2	6	10	14	18	22

6.

0	1	2	3	4	5
2	8	32	128	512	2048

7.

0	1	2	3	4	5
2	7	12	17	22	27

8.

0	1	2	3	4	5
2	10	50	250	1250	6250