Exponential or Linear Functions Practice

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

1.

0	1	2	3	4	5
10	7	4	1	-2	.5

2.

0	1	2	3	4	5
4	9	14	19	24	29

3.

0	1	2	3	4	5
2	5.2	13.52	35.152	91.3952	237.62752

4.

0	1	2	3	4	5
100	60	36	21.6	12.96	7.776

Exponential or Linear Functions (GROWTH)

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

1.

0	1	2	3	4	5
20	23	26	29	32	35

2.

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

3.

0	1	2	3	4	5
100	50	25	12.5	6.25	3.125

4.

0	1	2	3	4	5
4	6	9	13.5	20.25	30.375

5.

0	1	2	3	4	5
50	37.5	28.125	21.09375	15.8203125	11.865234375

6.

0	1	2	3	4	5
4	18	81	364.5	1640.25	7381.125