

Identify whether the following tables represent a linear or exponential relationship, and then state what the pattern is!

1.

$x$	$y$
1	62
2	124
3	248
4	496

2.

$x$	$y$
1	16
2	27
3	38
4	49

3.

$x$	$y$
1	-12
2	-36
3	-108
4	-324

4.

$x$	$y$
1	-16
2	-27
3	-38
4	-49

5.

$x$	$y$
1	108
2	27
3	6.75
4	1.6875

6.

$x$	$y$
1	-324
2	-108
3	-36
4	-12

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7.

$x$	$y$
1	-7
3	-3
4	-1
5	1

8.

$x$	$y$
4	-11
7	-20
9	-26
10	-29

9.

$x$	$y$
1	12
5	972
6	2916
8	26244

10.

$x$	$y$
5	1458
7	162
10	6
11	2

11.

$x$	$y$
2	5
4	6
6	7
8	8

12.

$x$	$y$
1	16
4	22
7	28
10	34

$L + \frac{1}{2}$	$L - 3$	$E \cdot 2$	$L - 9$	$E \cdot \frac{1}{4}$	$E \cdot 3$
$L + 9$	$E \cdot \frac{1}{3}$	$L + 4$	$L + 2$	$E \cdot 3$	$E \cdot \frac{1}{3}$

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$L + 9$	$E \cdot \frac{1}{3}$	$L + 4$	$L + 2$	$E \cdot 3$	$E \cdot \frac{1}{3}$