

Exponential Growth & Decay
Homework

Name _____
Date _____ Block _____

Use the output ratio to find the growth/decay factor, determine if the table shows growth or decay, then identify the initial value, and write an exponential equation for the table.

1.

x	y
1	24
2	144
3	864
4	5184

2.

x	y
2	0.605
3	0.6655
4	0.73205
5	0.80526

3.

x	y
3	43.2
4	259.2
5	1555.2
6	9331.2

4.

x	y
-5	200000
-4	20000
-3	2000
-2	200

5.

x	y
3	1536
4	12288
5	98304
6	786432

6.

x	y
2	0.04
3	0.008
4	0.0016
5	0.00032