

Writing Exponential Functions Worksheet #1 Directions: Answer all questions. Show all work!!!

For each of the following situations, write an exponential model of the form $y = a(b)^x$

1.

x	y
-2	.375
1	1.5
0	6
1	24
2	96

2.

x	y
-2	.041
-1	.286
0	2
1	14
.2	98

Growth/Decay?

Growth/Decay?

$a =$

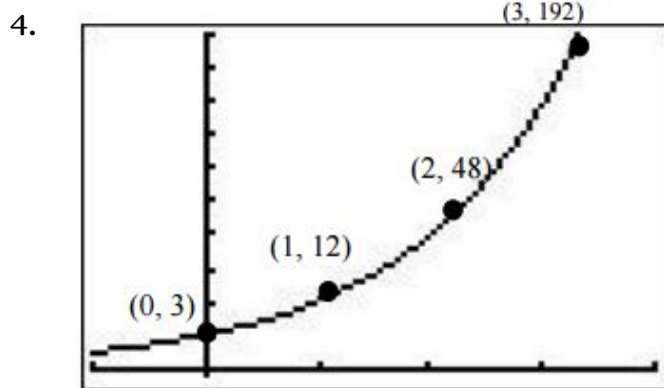
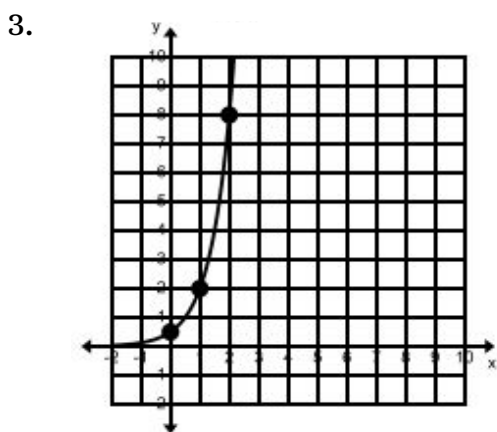
$a =$

$b =$

$b =$

Equation _____

Equation _____



Growth/Decay?

Growth/Decay?

$a =$

$a =$

$b =$

$b =$

Equation _____

Equation _____

5.

x	y
-2	.0097
-1	.078
0	.625
1	5
2	40

Growth/Decay?

 $a =$ $b =$

Equation _____

6.

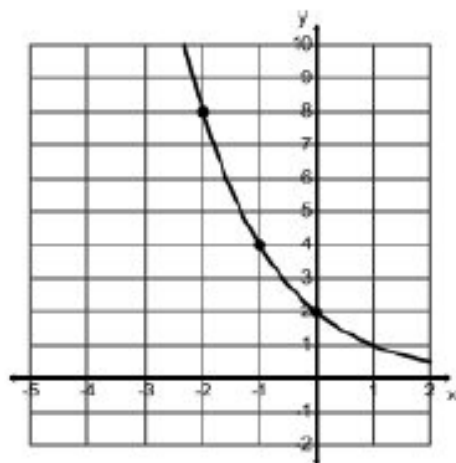
x	y
-2	.0123
1	.111
0	1
1	9
2	81

Growth/Decay?

 $a =$ $b =$

Equation _____

7.

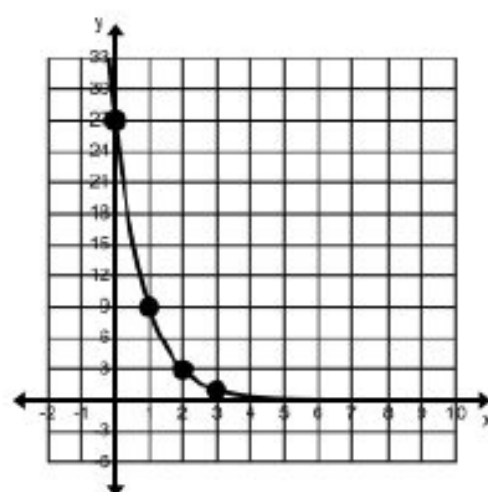


Growth/Decay?

 $a =$ $b =$

Equation _____

8.



Growth/Decay?

 $a =$ $b =$

Equation _____

Equation _____

Equation _____