

Assignment

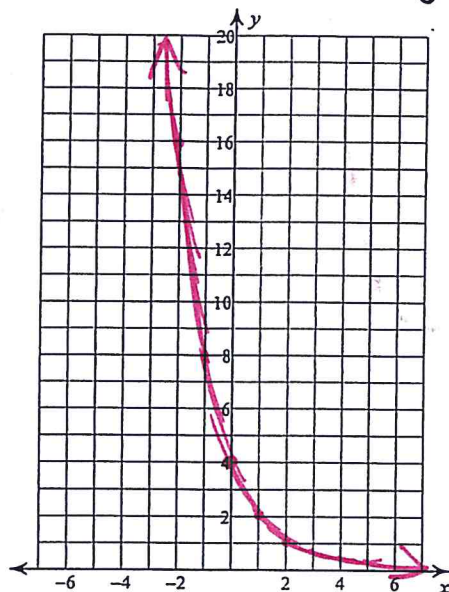
Date

Period

Sketch the graph of each function.

1) $y = 4 \cdot \left(\frac{1}{2}\right)^x$

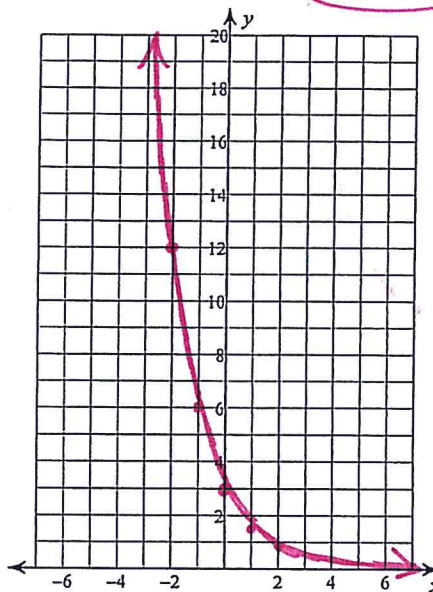
Growth or Decay?



x	y
-2	16
-1	8
0	4
1	2
2	1

2) $y = 3 \cdot \left(\frac{1}{2}\right)^x$

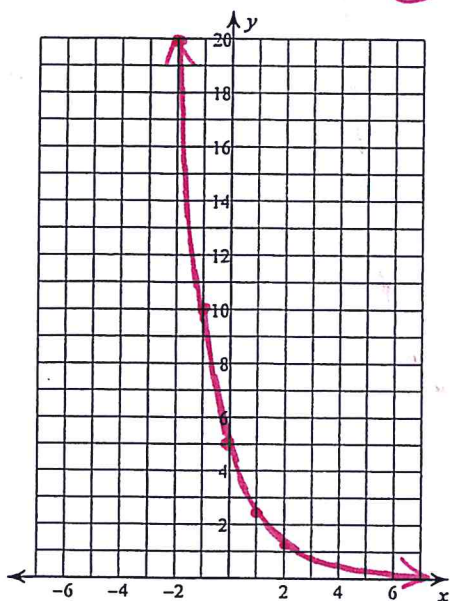
Growth or Decay?



x	y
-2	12
-1	6
0	3
1	3/2
2	3/4

3) $y = 5 \cdot \left(\frac{1}{2}\right)^x$

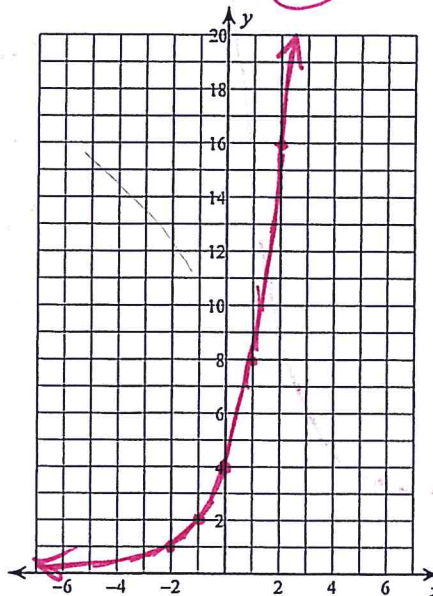
G or D?



x	y
-2	20
-1	10
0	5
1	2.5
2	1.25

4) $y = 4 \cdot 2^x$

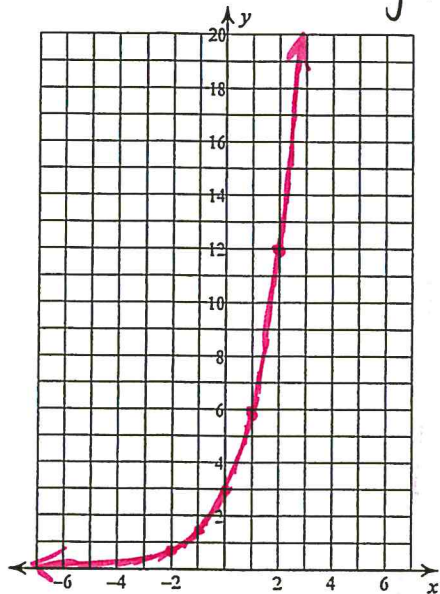
G or D?



x	y
-2	1
-1	2
0	4
1	8
2	16

5) $y = 3 \cdot 2^x$

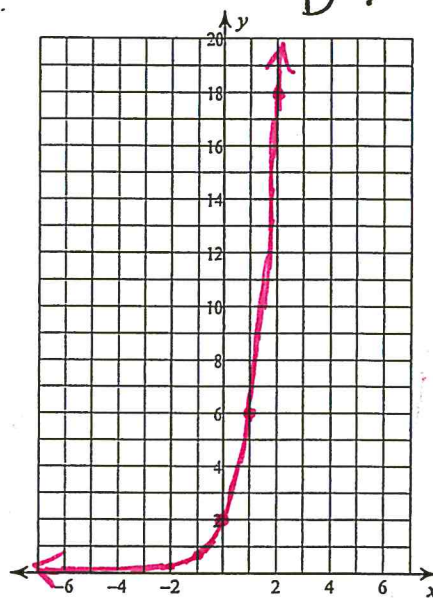
Growth or Decay?



X	y
-2	0.75
-1	1.5
0	3
1	6
2	12

6) $y = 2 \cdot 3^x$

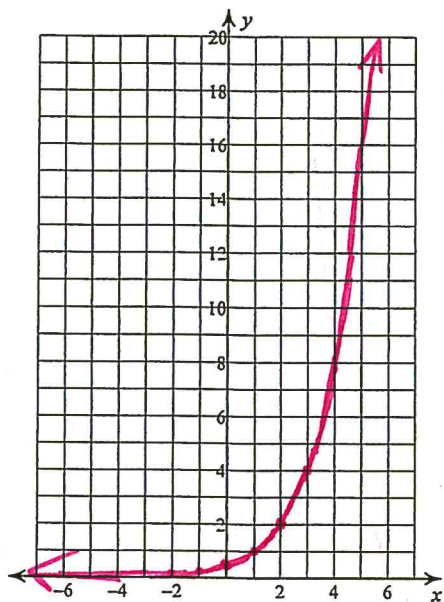
G or D?



X	y
-2	0.22
-1	0.67
0	2
1	6
2	18

7) $y = \frac{1}{2} \cdot 2^x$

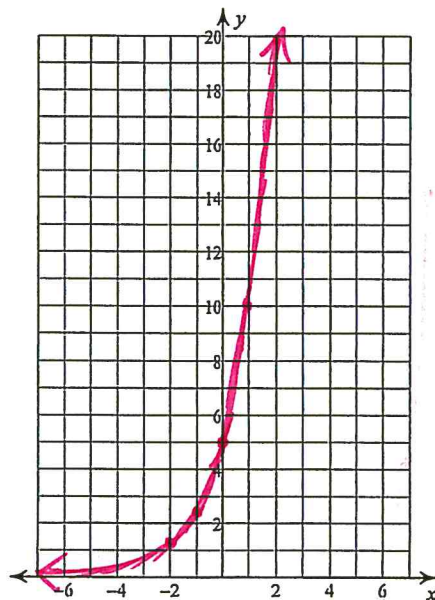
G or D?



X	y
-2	0.125
-1	0.25
0	0.5
1	1
2	2

8) $y = 5 \cdot 2^x$

G or D?



X	y
-2	1.25
-1	2.5
0	5
1	10
2	20