Date:	:	
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## Today's Learning Goal(s):

By the end of the class, I will be able to:

a) describe the characteristics of the graphs and equations of exponential functions.

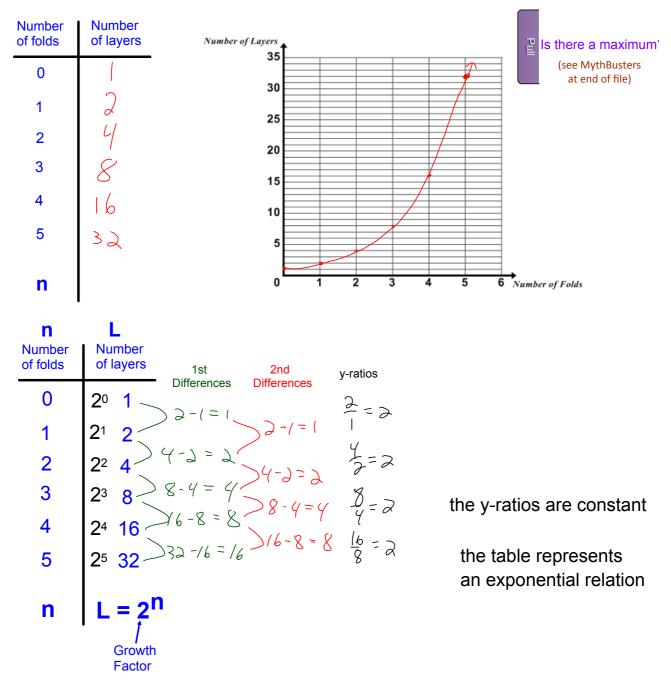
p. 243 1. Use differences to identify the type of function represented by the table of values.

			tD yratios
<b>b</b> )	х	у	- 8 _ 1
	-5	32	(6-3) = -16 > -16 - 2
	-4	16	8-16=-8 -4 -1
	-3	8	8-16-0>-4=-
	-2	4	24-8=-4
	-1	2	77-4= -7
	0	1-	71-2=-1
			-2 2

: The y-ratios are constant : The table represents an exponential relation

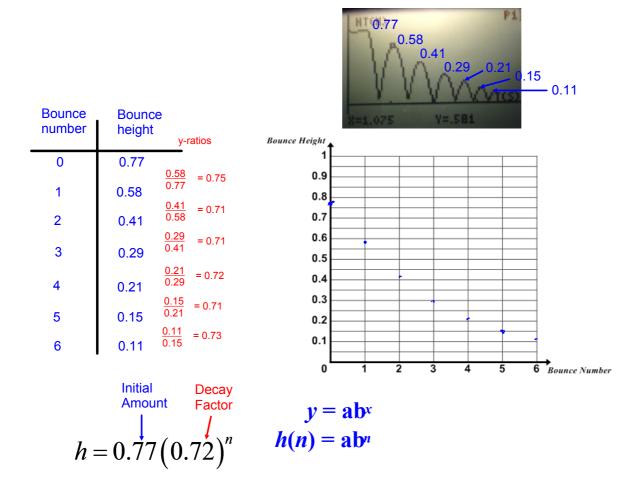
## Exploring Growth and Decay

Ex. 1: Take a sheet of paper. Fold it in half. Count the number layers formed. Fold it in half again and repeat. Complete the table. Draw a graph of the number of layers versus the number of folds.

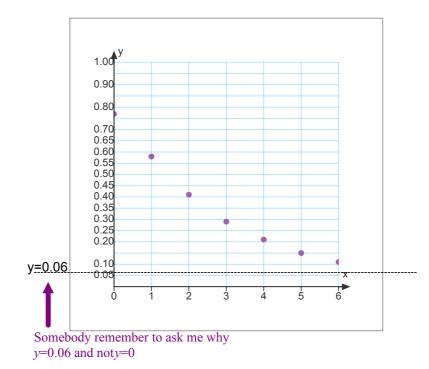


Recall: An exponential function has the variable in the exponent.

Ex. 2: Ball Bounce. Let a ball drop. Record the height after eadbounce. Graph the height versus the bounce number.



Bounce Number	Bounce Height
0	0.77
1	0.58
2	0.41
3	0.29
4	0.21
5	0.15
6	0.11



Are there any questions from last day's assigned work you would like to see on the board?

Last day's assigned pracce: pp. 240-241 A - P p. 243 #1, 2

MythBusters (max. folds=7)

Today's Assigned Practice includes:

pp. 214-215 A – H p. 216 #1, 2 DESMOS Acvity?