Represent the situations by equation, table, & Graph

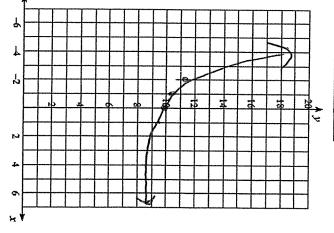
Ms. Lutsic bought a vintage Jonas Brothers album for \$10.00. The album decreases by 5% each year.

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Table

IX	-2		0		2
K	80'11	Es. 01		9,5	9,625

Graph

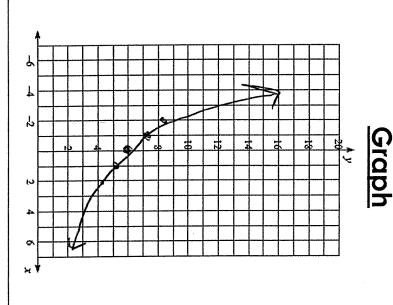


Zein bought a toy car worth \$6. It decreases in value by 15% each year.

Equation

1,157 1,85

2		0	-	-2	I×	
<u>1</u> 2	<u>U</u>	0	7.06	8,3	K	<u>Iable</u>



Convert the percentages to decimals.

14%	.06%	3.65%	6%	2.5%
, 14	.0000	,0365	.06	,025
55%	33.2%	.066%	6.433%	14.2%
,55	,337	.00066	.06433	.142

Convert the following

CONTROL ING TORON	<u>ning</u>			
50 days to years	19 months to	8 years to	26 hours to days	4.8 days to hours
10172 MARK	years	months	26 12/	ugrach
10/73 year	19/12 year	8X12=	311 = 7/12	1910 NOY
0	112 year	0	24	115,2 hour
		96 months	aays	113,0 11091
22 minutes to	5.9 hours to	77 months to	9 years to	41 have be also
hours	minutes	years	months	41 hours to days
122 - 11	5.9 x 60	77 1.42	avis -	4-17
30		13 = 000	1/10 -	124 - !!
100 10011	354 min	10 years	108 months	days
hour	00		10 4 14(0	

Find the growth or decay rate for each percentage

Growth of 12%	Decay of 12.1%	Increasing by 18.3%	Decreasing by 0.03%
1+,12=	1-,121-	1+.183=	1-,0003=
1.12	,879	1.183	,9997
Appreciate by 7.9%	Depreciate by 2.73%	Grows by .011%	Decays by 4.3%
1+,079=	1-,0273=	1 +,00011=	1-,043 =
1,079	,9727	1,000//	,957

Name: Date:

.											
3.	x	0	1	2	3	4	5	6	7	- 8	
	y	25	5	10	20	40	80	160	320	440	

- a. Fill in the table above.
- b. To move to the right in the table, you multiply by ______.
- c. The starting amount is $2\sqrt{5}$.
- d. The function formula is $y = 2.5(3)^{1/2}$

4.	x	0	1	2	3	4	5	6	7	8	
	У	110	1	6	36	216	1246	7776	46656	27	9934

- a. Fill in the table above.
- b. To move to the right in the table, you multiply by _____
- c. The starting amount is _______
- d. The function formula is $y = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right)^{\frac{1}{2}}$

The next three problems are harder because the # you multiply by is NOT a whole number. To figure out what that number is, take a y and divide by the number directly before it.

5.	x	0	1	2	3	. 4	5	6	7	8
	у	10	7.5	5.625	4.dis75	3.16	2,31	1,78	1,33	1,00

- a. Fill in the table above.
- b. To move to the right in the table, you multiply by 75.
- c. The starting amount is ______.
- d. The function formula is $y = 10(.75)^{1/2}$