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1.2

How Variables Relate to Each other
 I can find patterns in graphs and tables to help identify the type of function it is. I can match graphs with their tables by using the patterns I found.

Examples: (11)

1. Linear Function: Table Equation

2. Quadratic Function: Table Equation

3. Exponential Function: Table Equation

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Examples: (11)

1. Linear Function: Table Equation

x	y
-1	0
0	2
1	4
2	6

$y = 2x + 2$

$\frac{\Delta y}{\Delta x} = \frac{2}{1}$
constant rate

2. Quadratic Function: Table Equation

x	y	1st	2nd
-2	4	-3	+2
-1	1	-1	+2
0	0	+1	+2
1	1	+1	+2
2	4	+3	+2

$y = x^2$

and difference

3. Exponential Function: Table Equation

x	y
-2	$\frac{1}{4}$
-1	$\frac{1}{2}$
0	1
1	2
2	4

$y = 2^x$

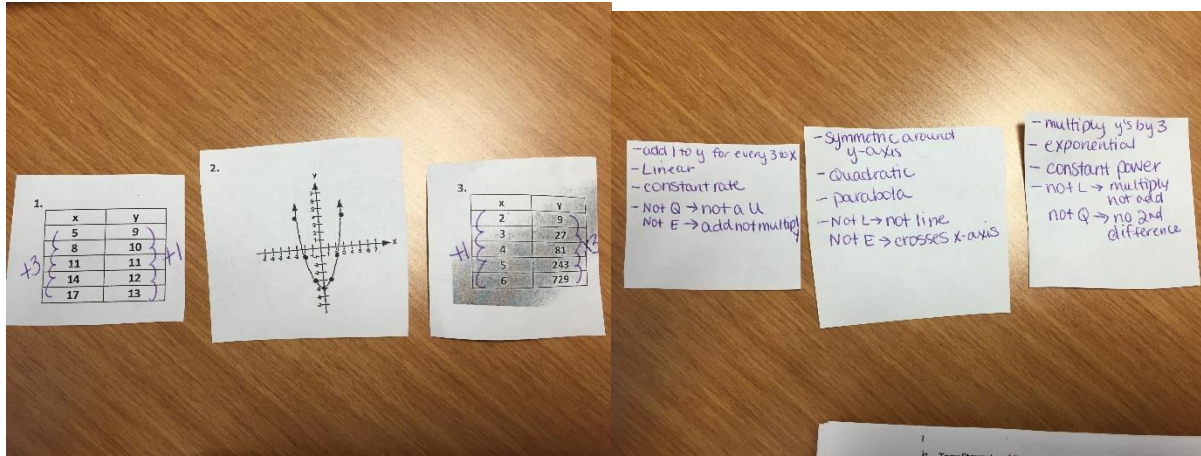
Page 11 with notes

(13)

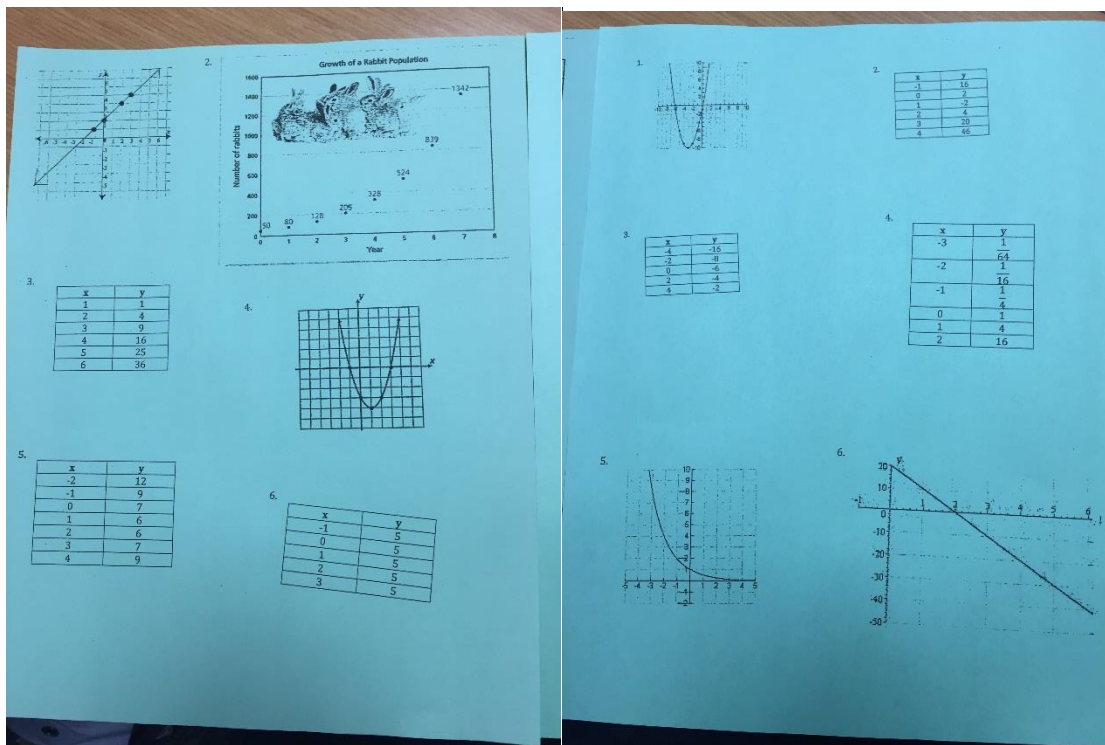
Find the pattern, identify the function, justify, explain why you didn't choose other type

Linear
 Quadratic

Page 13 (another pocket)



Cards to go in the pockets on page 13 with what the explanations look like (Linear, Quadratic, Exponential)



Homework for 1.2-Find the pattern, Identify, Justify, Reasons why not other types