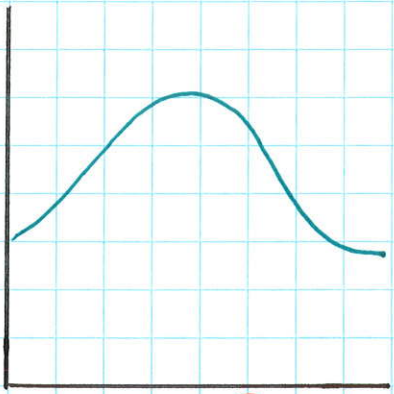
(1-5)

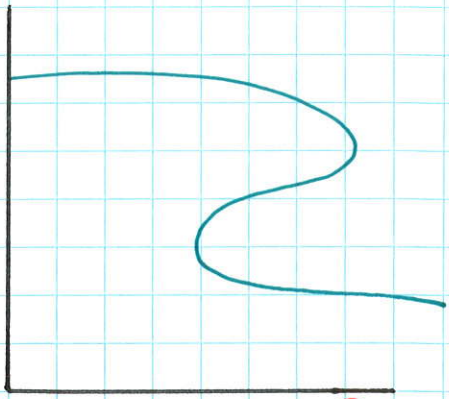
Functions...

Mrs. Gross 4

can have only individual "x" values



This is a function!



This is not a function! :(

Use your pencil for the "vertical line test" to see if these relations are functions.

Function tables have a place for the domain (x), the range (y), and the rule.

1) A phone call costs $3.00 a minute

x	Rule 3x	y
1	1·3	3
5	5·3	15
10	10·3	30
20	20·3	60

2) Peyton has 4 less than 3 times the number of trophies Emin has.

x	Rule 3x-4	y
2	3·2 -4	2
4	3·4 -4	8
6	3·6 - 4	14
8	3·8 - 4	20

3) A child's admission is $4.00 more than half an adult's admission.

x	Rule $\frac{x}{2}+4$	y
20	$20/2+4$	14
26	$26/2+4$	17
30	$30/2+4$	19
42	$42/2+4$	25

4) There are 12 inches in 1 foot. Write the equation to find the number of inches in any number of feet and make a function table showing 4, 6, 8, and 10 feet.

x	Rule $12x$	y
4	$12 \cdot 4$	48
6	$12 \cdot 6$	72
8	$12 \cdot 8$	96
10	$12 \cdot 10$	120

Graph your ordered pairs