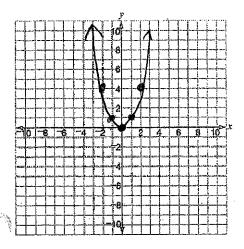
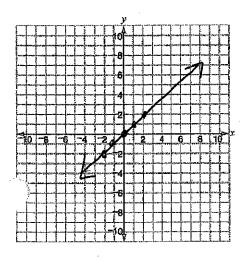
Warm Up: Complete each table and graph.

1.
$$y = x^2$$

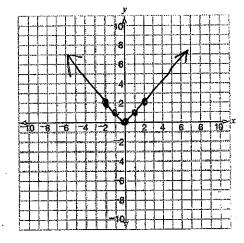
X	y,
-2	4
-1	
0	0
1	(
2	4



Х	у
-2	-2
-1'	-1
0	0
1	1
2	1

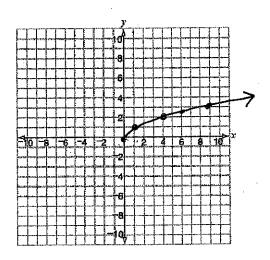


ж	У
-2	2
-1	1
0	0
1	1
2	2



4.
$$y = \sqrt{x}$$

2	
ж	У
0	0
1	Ì
4	2.
15	2.4
9	3



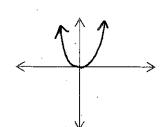
Those 4 curves are definitely worth knowing! See if you can *sketch* the basic shape of each:

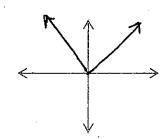
1.
$$v = x^2$$

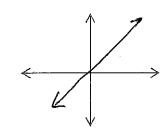
2.
$$y = |x|$$

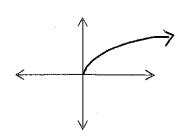
3.
$$y = x$$

4.
$$y = \sqrt{x}$$









DEFINITION:

A function is

a relation in which each element of the domain(x) is paired with exactly one element in the range (y)

Are each of the four equations above a function?

VERTICAL LINE TEST:

Do each of the four graphs pass the VLT?

DEFINITIONS:

Domain

Range

In the space below each graph write the domain and range.