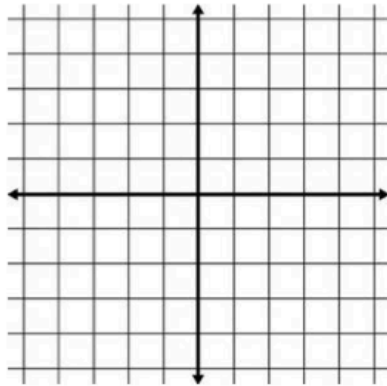


Fill in the following tables and graph the parabolas.

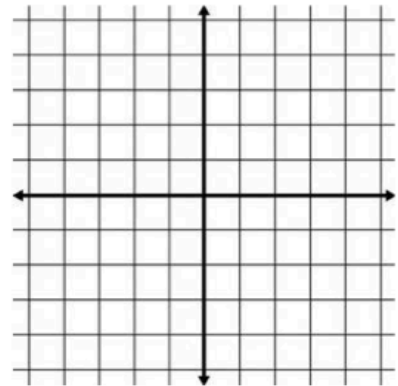
1.  $x^2 = -1y$

X	Y
-2	
-1	
0	
1	
2	



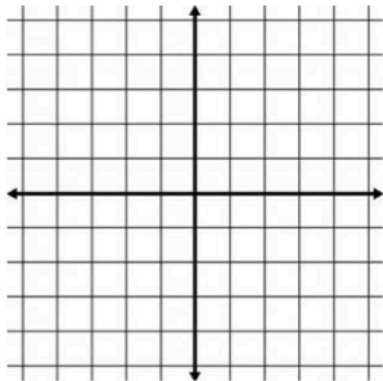
2.  $y^2 = -1x$

X	Y
	-2
	-1
	0
	1
	2



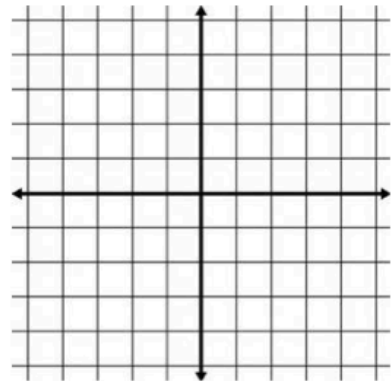
3.  $x^2 = 1y$

X	Y
-2	
-1	
0	
1	
2	



4.  $y^2 = 1x$

X	Y
	-2
	-1
	0
	1
	2



Tell me about the Graph:

5. When x is squared.....

6. When y is squared....

**On a sheet of paper answer the following questions:**

Which way does the graph open?

7.

8.

7.

8.

Use discriminant to decide what type of solutions the following quadratic function has.

1).  $x^2 - 3x - 4 = 0$

2).  $3x^2 - 2x + 7 = 0$

There are \_\_\_\_\_ solutions.

There are \_\_\_\_\_ solutions

3).  $9x^2 - 12x + 4 = 0$

4).  $x^2 + x + 2 = 0$

There are \_\_\_\_\_ solutions

There are \_\_\_\_\_ solutions