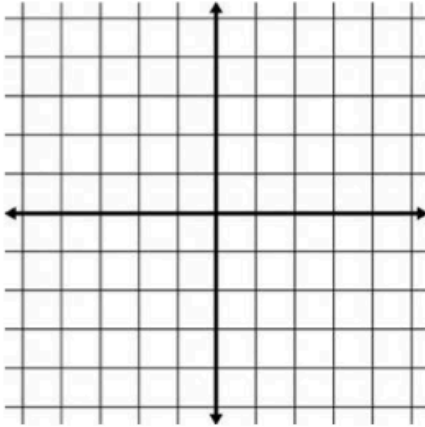


Fill in the following tables and graph the parabolas.

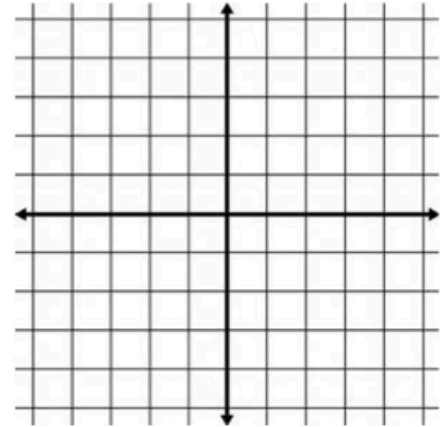
1. $x^2 = -1y$

X	Y
-2	
-1	
0	
1	
2	



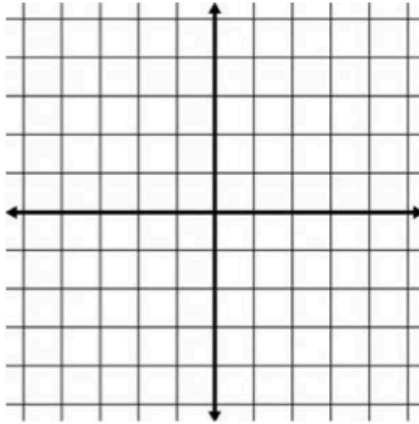
2. $y^2 = -1x$

X	Y
	-2
	-1
	0
	1
	2



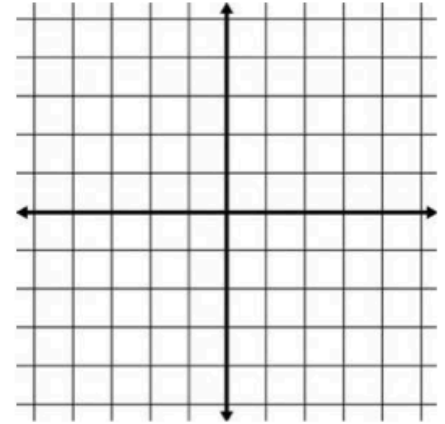
3. $x^2 = 1y$

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. $(y - 3)^2 = 2(x + 4)$

8. $(x + 2)^2 = -4(y - 5)$

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