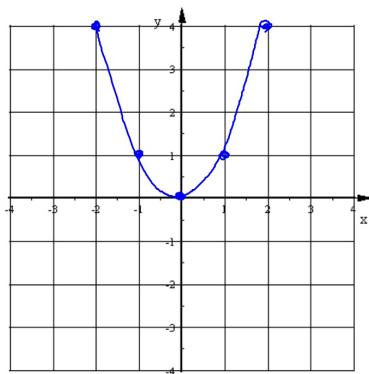


1. Fill out the table and graph $y = (x)^2$ on a separate sheet of graph paper.

THIS IS THE PARENT FUNCTION FOR $y = x^2$

X	Y
-2	4
-1	1
0	0
1	1
2	4

State the coordinates of the Vertex

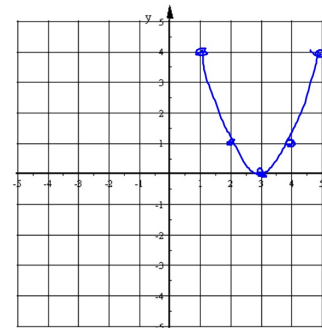


2. Fill out the table and graph $y = (x - 3)^2$ on a separate sheet of graph paper.

X	Y
1	4
2	1
3	0
4	1
5	4

State the coordinates of the Vertex

(3, 0)

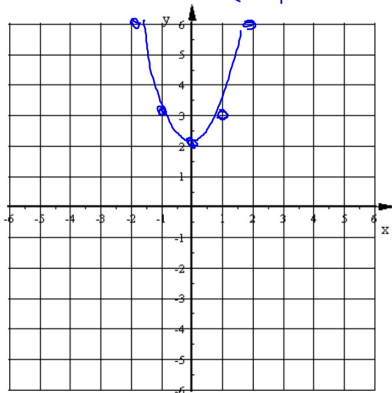


3. Fill out the table and graph $y = x^2 + 2$ on a separate sheet of graph paper.

X	Y
-2	6
-1	3
0	2
1	3
2	6

State the coordinates of the Vertex

(0, 2)

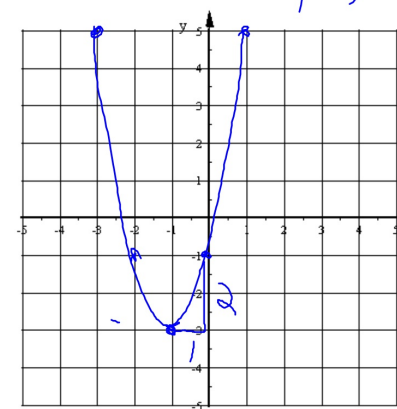


4. Fill out the table and graph $y = 2(x + 1)^2 - 3$ on a separate sheet of graph paper.

X	Y
-3	5
-2	-1
-1	-3
0	-1
1	5

State the coordinates of the Vertex

(-1, -3)



5. Fill out the table and graph $y = -3(x-2)^2 + 4$ on a separate sheet of graph paper.

X	Y
0	-8
1	1
2	4
3	1
4	-8

State the coordinates of the Vertex

(2, 4)

