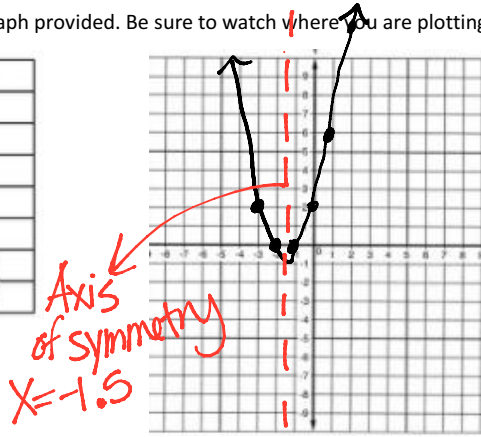


Graph each table on the graph provided. Be sure to watch where you are plotting points.

1)

x	y
-3	2
-2	0
-1	0
0	2
1	6
2	12
3	20



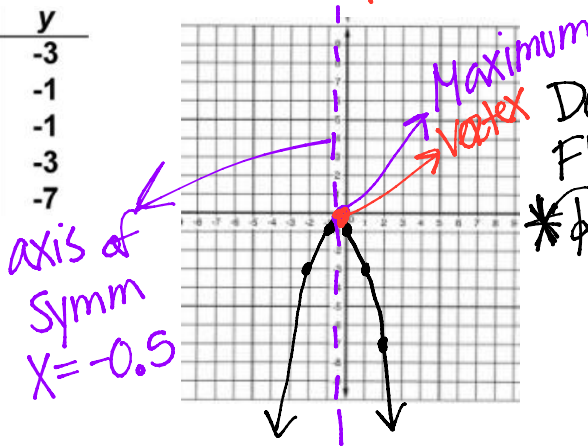
Start plotting points

Quadratics

U shape
Parabola

2)

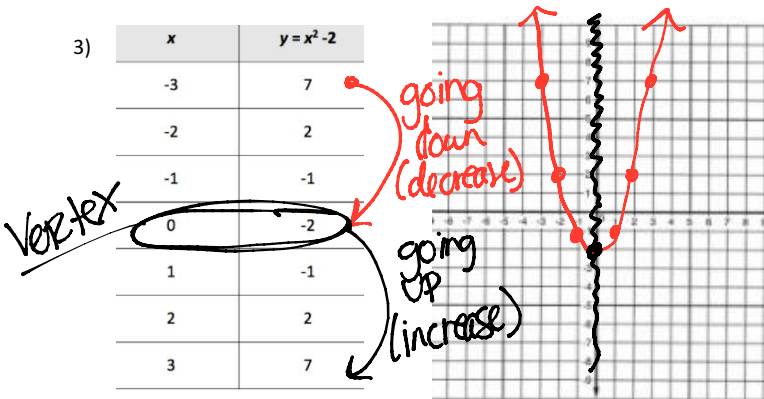
x	y
-2	-3
-1	-1
0	-1
1	-3
2	-7



Down
Flipped over
* Reflection over X-axis

3)

x	$y = x^2 - 2$
-3	7
-2	2
-1	-1
0	-2
1	-1
2	2
3	7



axis of symm
 $X = 0$

Vertex: (0, -2)

Minimum

For these two on the back, you need to plug in the values for x in the equation to get your y values.

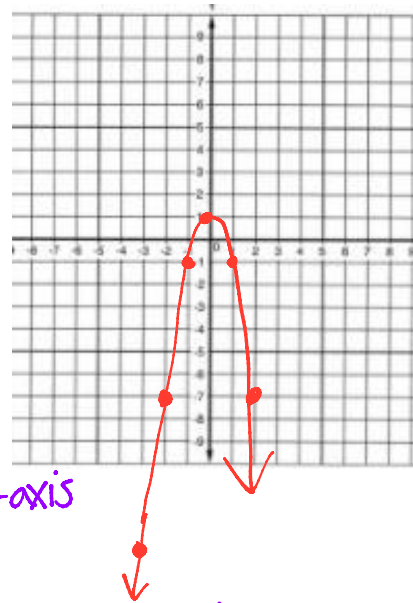
Then you can graph your points.

4)

x	$y = -2x^2 + 1$
-3	-17
-2	-7
-1	-1
0	1
1	-1
2	-7

*Vertex: Max
(0, 1)

*axis of symm: $x=0$
* Reflected over X-axis



$$\begin{aligned} & -2(-3)^2 + 1 \\ & -2(-2)^2 + 1 \\ & -2(-1)^2 + 1 \\ & -2(0)^2 + 1 \\ & -2(1)^2 + 1 \\ & -2(2)^2 + 1 \end{aligned}$$

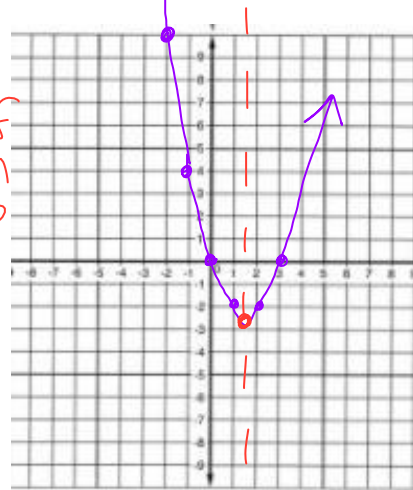
5)

x	$y = x^2 - 3x$
-3	18
-2	10
-1	4
0	0
1	-2
2	-2
3	0

Min
Vertex
(1.5, -2.25)

axis of
symm
 $x=1.5$

$$\begin{aligned} & (1.5)^2 - 3(1.5) \\ & = -2.25 \end{aligned}$$



$$\begin{aligned} & (-3)^2 - 3(-3) \\ & (-2)^2 - 3(-2) \\ & (-1)^2 - 3(-1) \\ & (0)^2 - 3(0) \\ & (1)^2 - 3(1) \\ & (2)^2 - 3(2) \\ & (3)^2 - 3(3) \end{aligned}$$