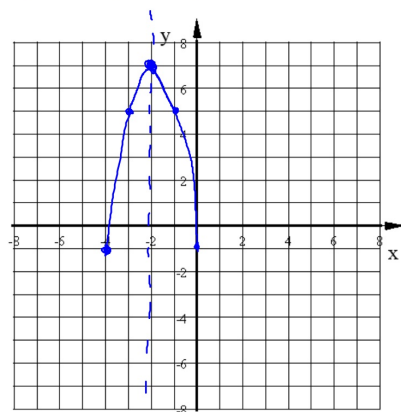


1. Graph using at least 5 points. Make sure the whole graph is shown.

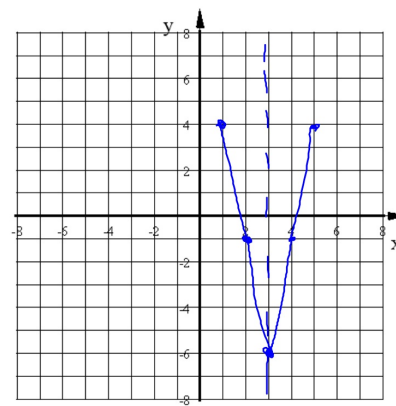
$$y = -2(x + 2)^2 + 7$$



X	Y
-2	7
-1	5
0	-1
-3	-11

2. Graph using at least 5 points. Make sure the whole graph is shown.

$$y = 5|x - 3| - 6$$



X	Y
3	-6
4	-1
5	-4

X	Y
-2	19
-1	14
0	9
1	4
2	-1

3. Write a function rule.

X	Y
-4	15
-2	7.5
0	0
6	-22.5
+22.5	-30

$$x \cdot ? = y$$

$$-4 \cdot ? = 15$$

$$? = \frac{15}{-4}$$

$$? = -3.75$$

$$y = -3.75x$$

4. Write a function rule.

X	Y
-9	-30.5
-5	-26.5
2	-19.5
13	-8.5
30	8.5

$$y = x - 21.5$$

subtract

$$x - ? = y$$

$$-9 - ? = -30.5$$

$$- ? = -21.5$$

$$\frac{-1}{-1} \cdot \frac{-21.5}{-1}$$

$$? = 21.5$$