

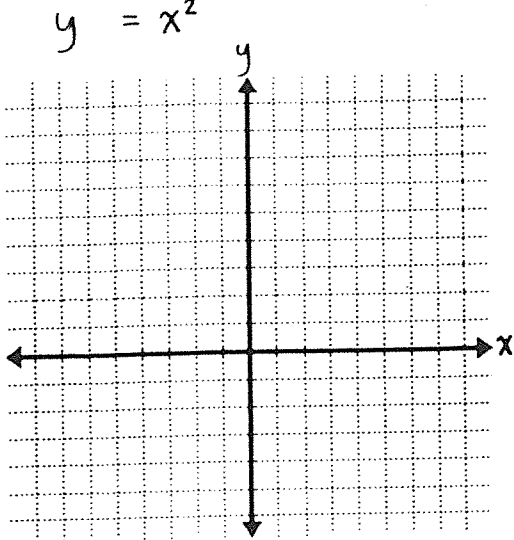
Make a table for each function and draw a graph of the function.

Algebra 11
Homework 8
part 2

The Squaring Function

$$y = x^2$$

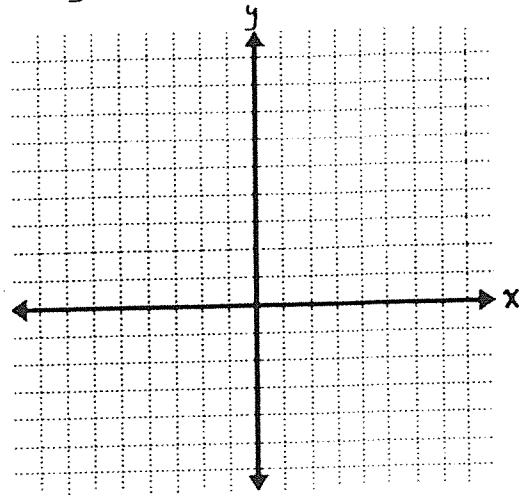
x
-3
-2
-1
0
1
2
3



The Absolute Value Function

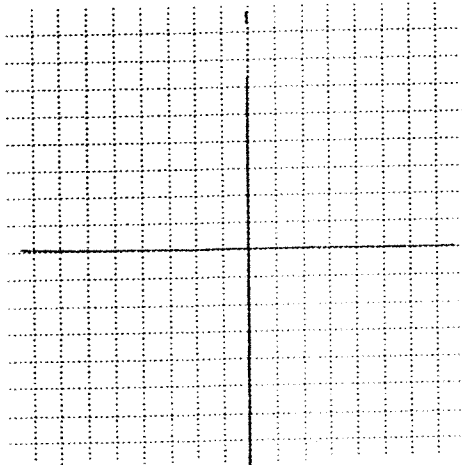
$$y = |x|$$

x
-8
-4
-2
0
2
4
8

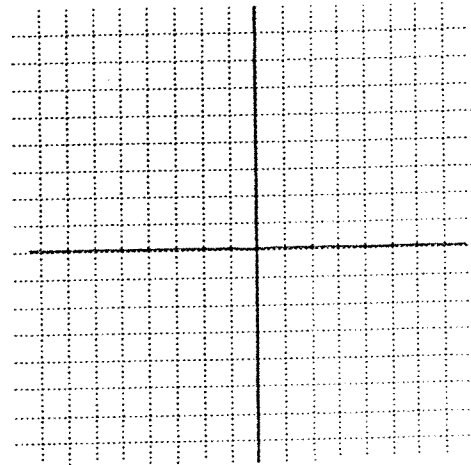


Graph each linear function *without* making a table. (Use the slope and the y-intercept.)

$$y = \frac{2}{3}x - 4$$



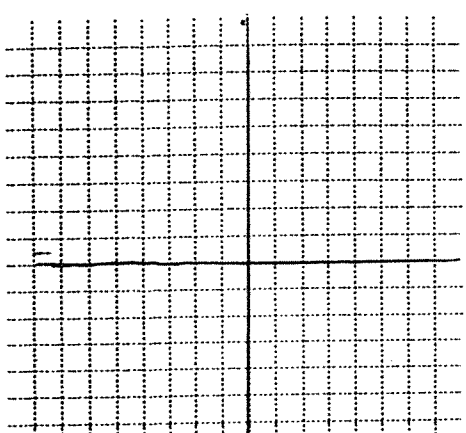
$$y = -2x + 5$$



Complete the table for each quadratic function. Then draw its graph.

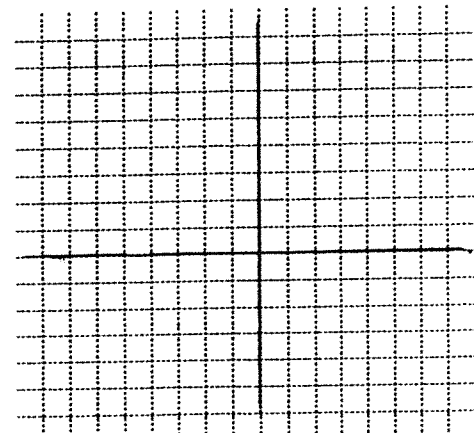
$$y = x^2 - 2x - 3$$

x	y
-2	
-1	
0	
1	
2	
3	
4	



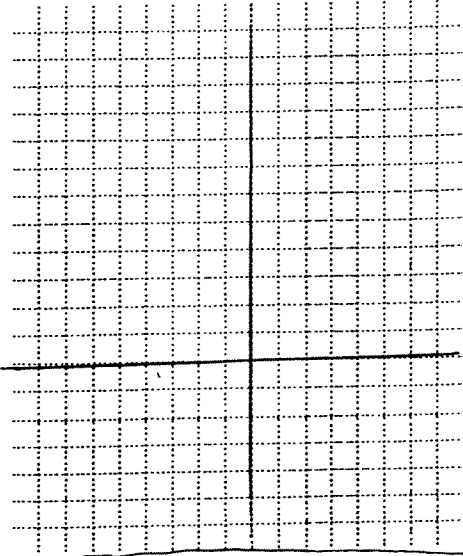
$$y = x^2 - 4x$$

x	y
-1	
0	
1	
2	
3	
4	
5	



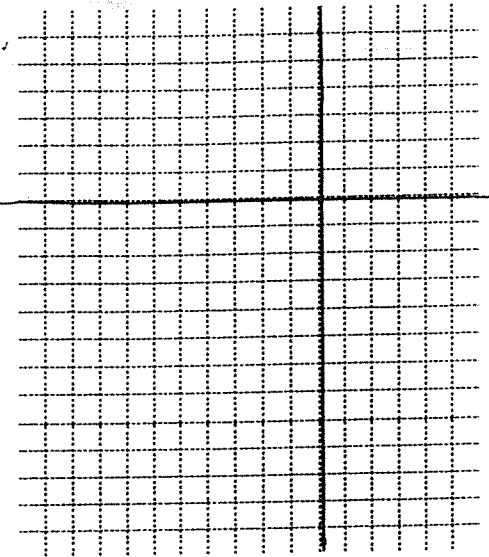
$$y = -2x^2 + 10$$

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



$$y = x^2 + 8x + 7$$

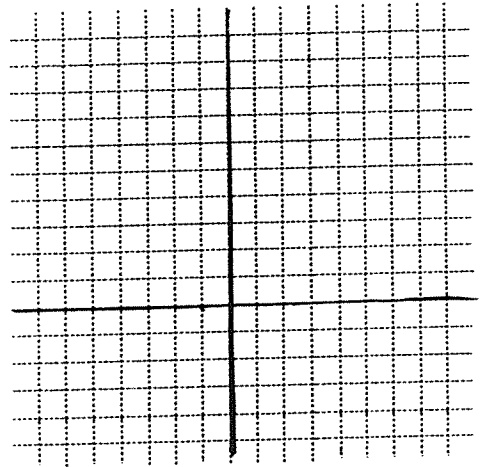
x	y
-8	
-7	
-6	
-5	
-4	
-3	
-2	
-1	
0	



Find the x-intercepts. ($y=0$!!) Then find at least three other points on the curve and draw the graph.

$$y = x^2 + 4x + 3$$

x	y
	0
	0



$$y = x^2 - 6x + 5$$

x	y
	0
	0

