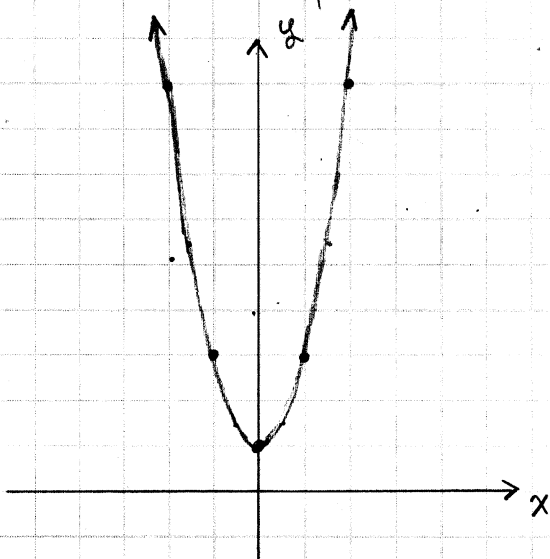


Ex

$$f(x) = 2x^2 + 1$$

- $f(5) = 2(5)^2 + 1 = 2(25) + 1 = 51$

- Graph of f ? Let's plot some points.



x	f(x)
0	1
1	3
-1	3
2	9
-2	9

The graph is a
parabola. We'll study
them later.

- The graph is the graph of a function
because each x-value has only one corresponding
y-value. The graph passes the vertical line test!