

- Describe, then sketch, the graph of $f(x) = x^2 - 4$.

The graph of $f(x) = x^2 - 4$ is the graph of $y = x^2$

SHIFTED DOWN 4 UNITS. THE GRAPH IS A PARABOLA,

OPENING UPWARD, WITH VERTEX

AT $(0, -4)$

x	f(x)
0	-4
± 1	-3
± 2	0
± 3	5

