

1. From inspecting the graph

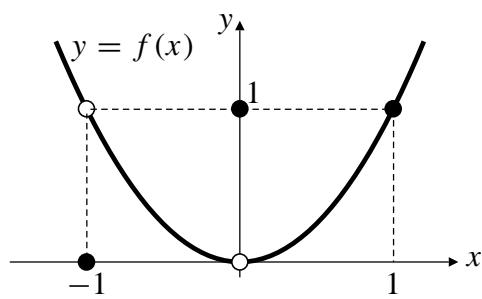


Fig. 2-1

we see that

$$\lim_{x \rightarrow -1} f(x) = 1, \quad \lim_{x \rightarrow 0} f(x) = 0, \quad \lim_{x \rightarrow 1} f(x) = 1.$$