

76. a)

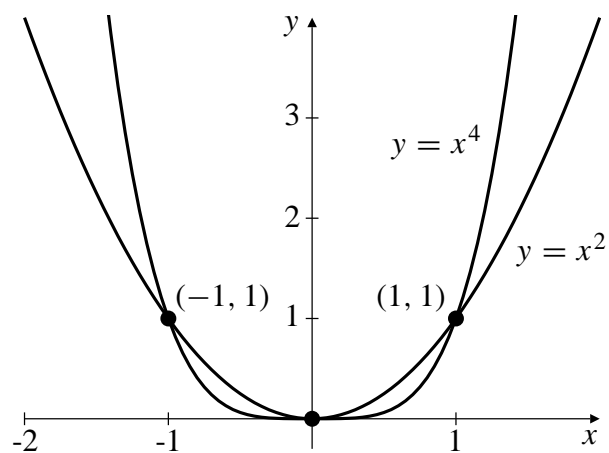


Fig. 2-76

- b) Since the graph of f lies between those of x^2 and x^4 , and since these latter graphs come together at $(\pm 1, 1)$ and at $(0, 0)$, we have $\lim_{x \rightarrow \pm 1} f(x) = 1$ and $\lim_{x \rightarrow 0} f(x) = 0$ by the squeeze theorem.