

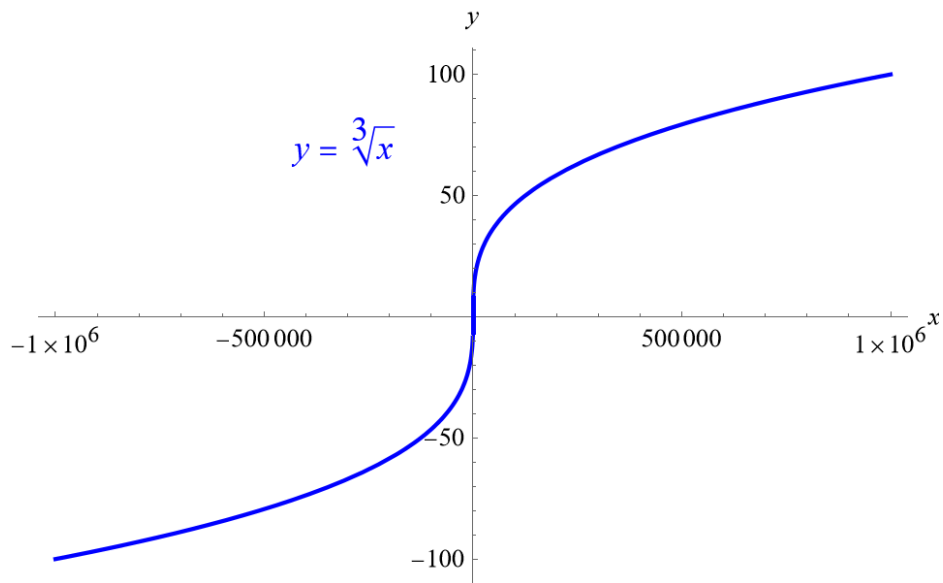
Exercise 87

For the following exercises, graph $y = \sqrt[3]{x}$ on the given domain. Determine the corresponding range. Show each graph.

$$[-1,000,000, 1,000,000]$$

Solution

Below is a graph of $y = \sqrt[3]{x}$ versus x over $-1\,000\,000 \leq x \leq 1\,000\,000$.



The range associated with $\{x \mid -1\,000\,000 \leq x \leq 1\,000\,000\}$ is $\{y \mid -100 \leq y \leq 100\}$.