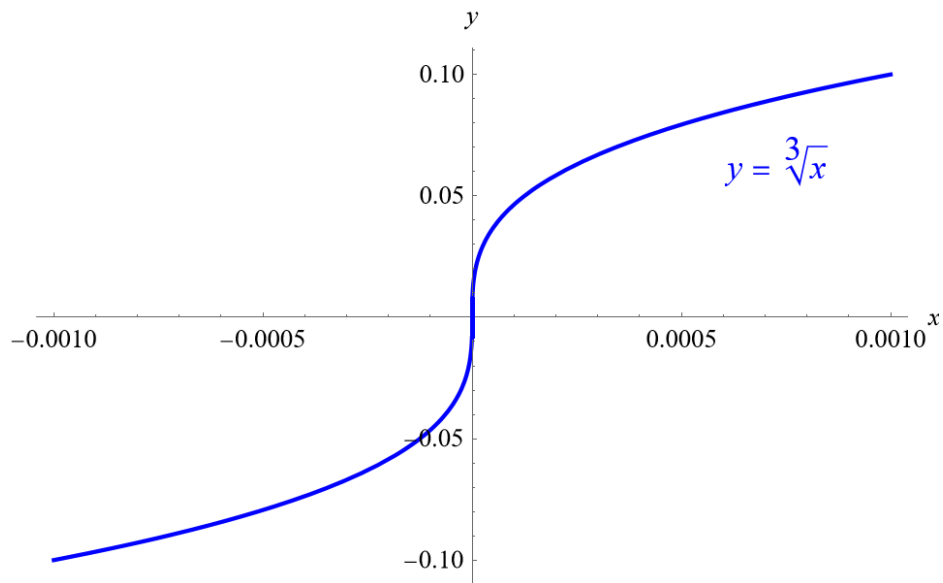## Exercise 85

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

$$[-0.001, 0.001]$$

Solution

Below is a graph of $y = \sqrt[3]{x}$ versus x over $-0.001 \leq x \leq 0.001$.

The range associated with $\{x \mid -0.0010 \leq x \leq 0.0010\}$ is $\{y \mid -0.10 \leq y \leq 0.10\}$.