Exercise 83
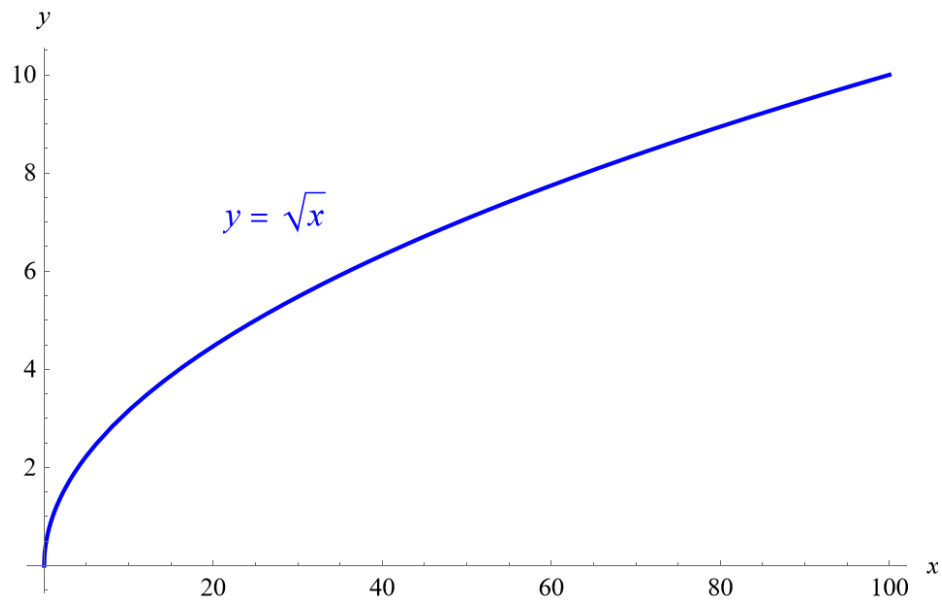
For the following exercises, graph $y = \sqrt{x}$ on the given domain. Determine the corresponding range. Show each graph.

$$[0, 100]$$

Solution

Below is a graph of $y = \sqrt{x}$ versus x over $0 \leq x \leq 100$.

The range associated with $\{x \mid 0 \leq x \leq 100\}$ is $\{y \mid 0 \leq y \leq 10\}$.