Exercise 76
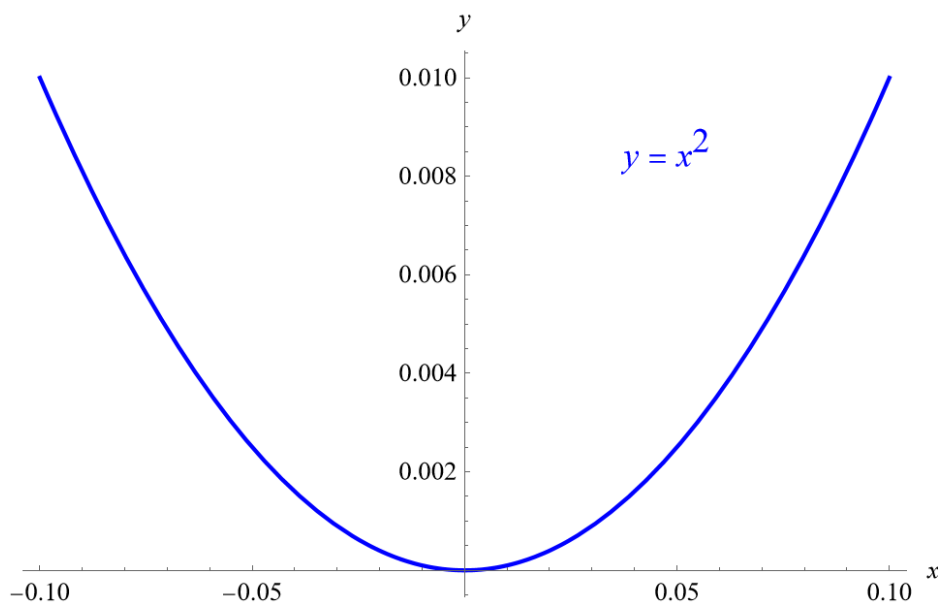
For the following exercises, graph $y = x^2$ on the given domain. Determine the corresponding range. Show each graph.

$$[-0.1, 0.1]$$

Solution

Below is a graph of $y = x^2$ versus x over $-0.1 \leq x \leq 0.1$.

The range associated with $\{x \mid -0.10 \leq x \leq 0.10\}$ is $\{y \mid 0 \leq y \leq 0.010\}$.