

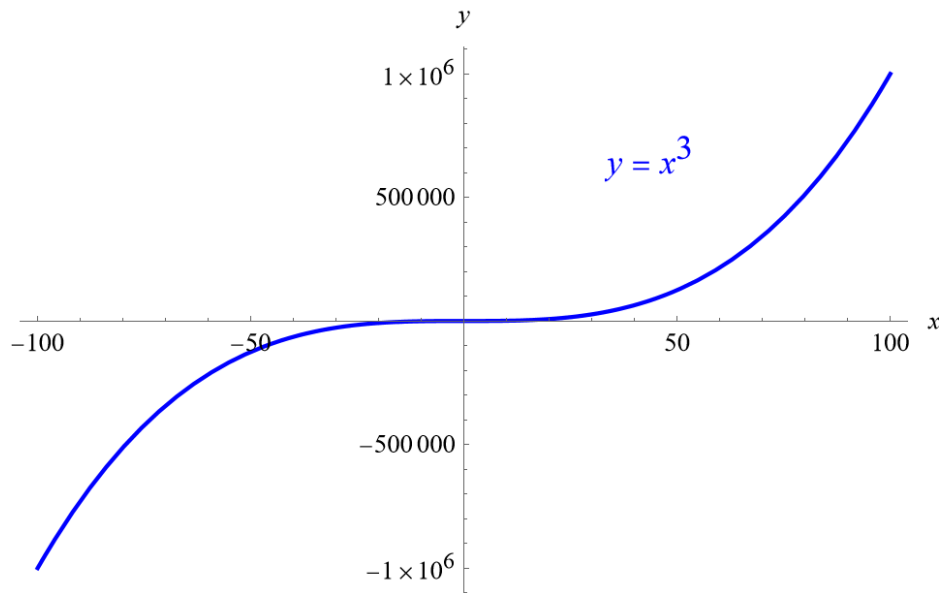
Exercise 81

For the following exercises, graph $y = x^3$ on the given domain. Determine the corresponding range. Show each graph.

$$[-100, 100]$$

Solution

Below is a graph of $y = x^3$ versus x over $-100 \leq x \leq 100$.



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