

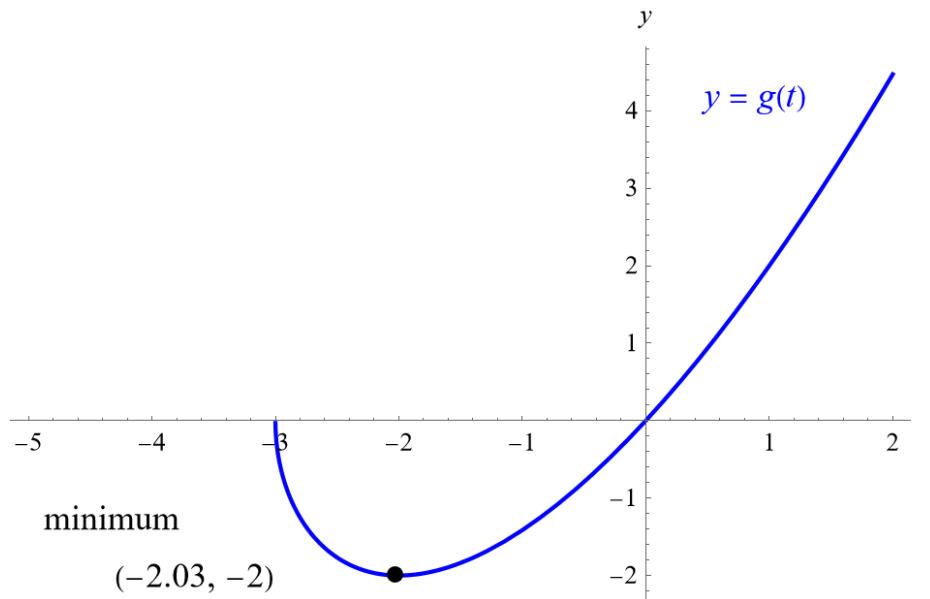
Exercise 37

For the following exercises, use a graphing utility to estimate the local extrema of each function and to estimate the intervals on which the function is increasing and decreasing.

$$g(t) = t\sqrt{t+3}$$

Solution

Below is a graph of $g(t)$ versus t .



The function is decreasing on $(-3, -2.03)$, and the function is increasing on $(-2.03, \infty)$.