Exercise 32

For the graph in Figure 3, the domain of the function is $[-3, 3]$. The range is $[-10, 10]$. Find the absolute minimum of the function on this interval.

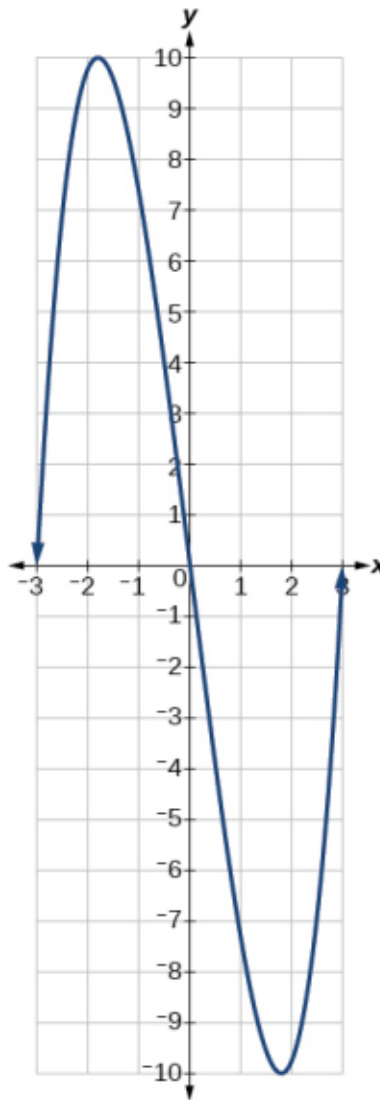**Solution**

Figure 3 is shown below.

Figure 3

The absolute minimum is the lowest point on the graph: about $(1.8, -10)$.