Exercise 48

For the following exercises, use the graphs of f, shown in Figure 4, and g, shown in Figure 5, to evaluate the expressions.

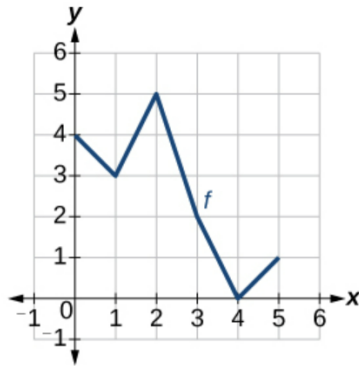
Figure 4
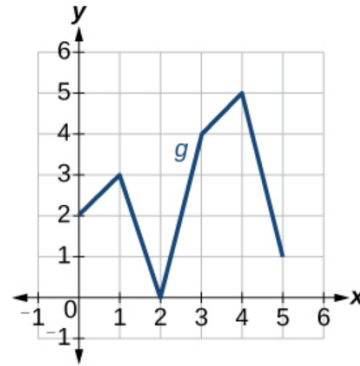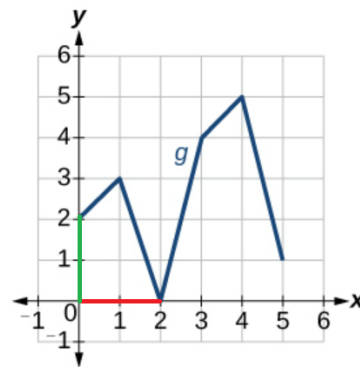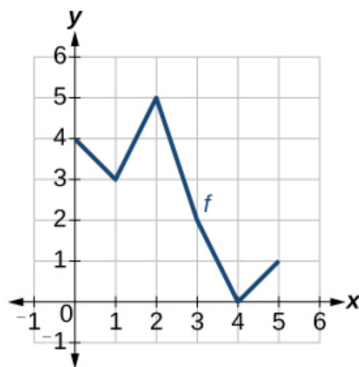

Figure 5

$$g(g(2))$$

Solution

Notice from the graphs that $g(2) = 0$ and $g(0) = 2$.

Therefore,

$$g(g(2)) = g(0) = 2.$$