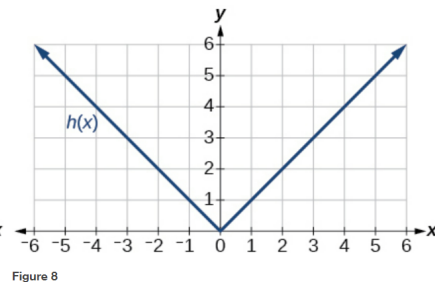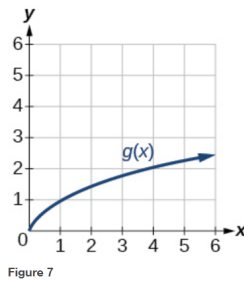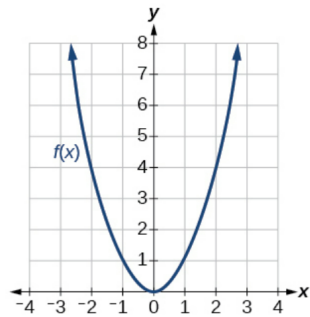# Exercise 51

For the following exercises, use graphs of $f(x)$, shown in Figure 6, $g(x)$, shown in Figure 7, and $h(x)$, shown in Figure 8, to evaluate the expressions.

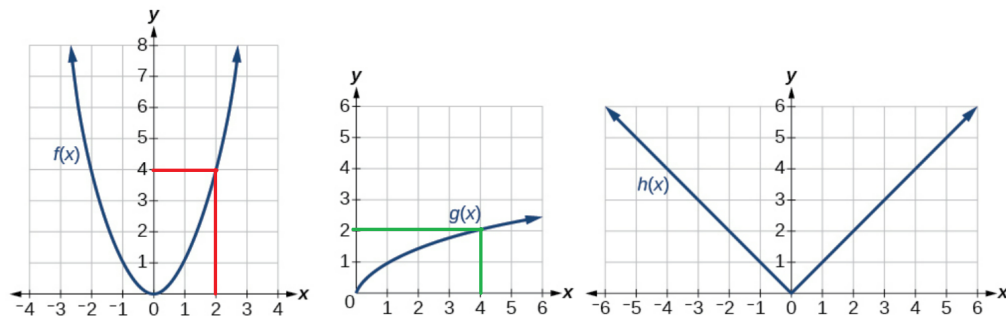Figure 6   Figure 7   Figure 8

$$g(f(2))$$

Solution

Notice from the graphs that $f(2) = 4$ and $g(4) = 2$.

Therefore,

$$g(f(2)) = g(4) = 2.$$