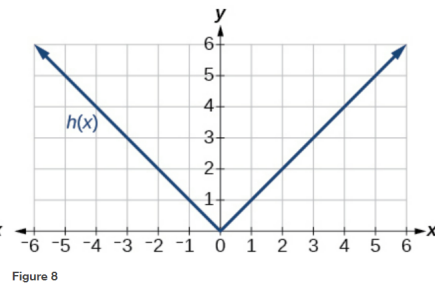
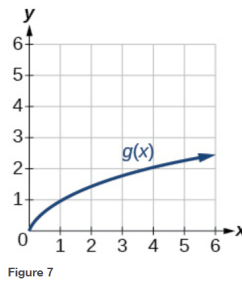
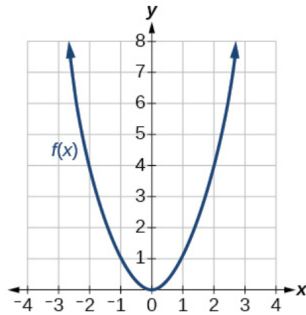


Exercise 55

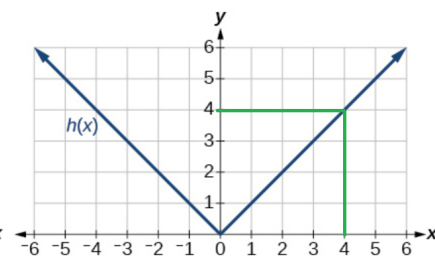
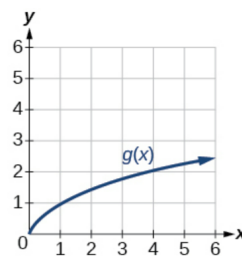
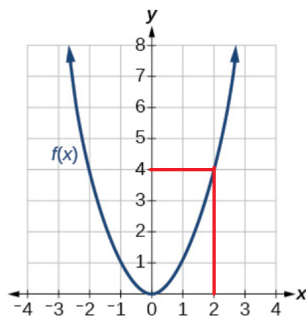
For the following exercises, use graphs of $f(x)$, shown in Figure 6, $g(x)$, shown in Figure 7, and $h(x)$, shown in Figure 8, to evaluate the expressions.



$$h(f(2))$$

Solution

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



Therefore,

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