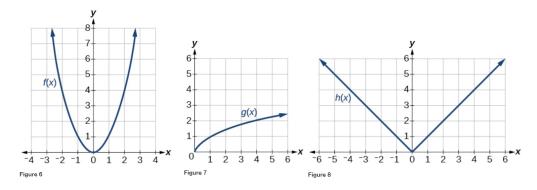
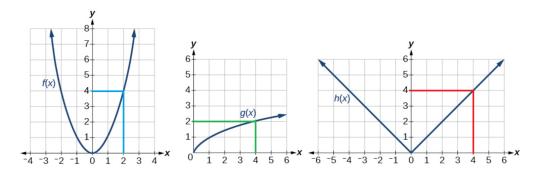
Exercise 56

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.



Solution

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



Therefore,

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