Exercise 26

For the following exercises, use the graph of $f(x) = 2^x$ shown in Figure 31 to sketch a graph of each transformation of $f(x)$.
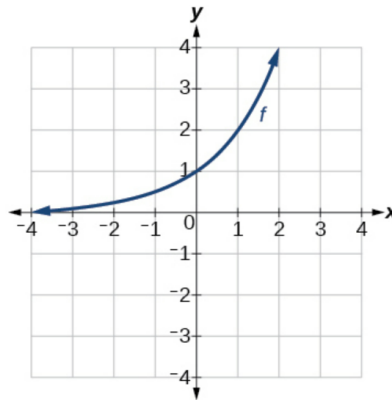

Figure 31

$$w(x) = 2^{x-1}$$

Solution

Replacing x with $x - 1$ shifts the graph to the right by 1 unit.