Exercise 24

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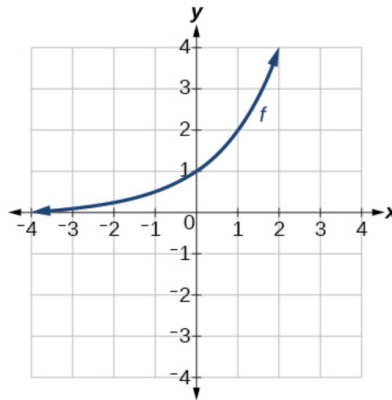

Figure 31

$$g(x) = 2^x + 1$$

Solution

Adding 1 to the function shifts the graph up by 1 unit.