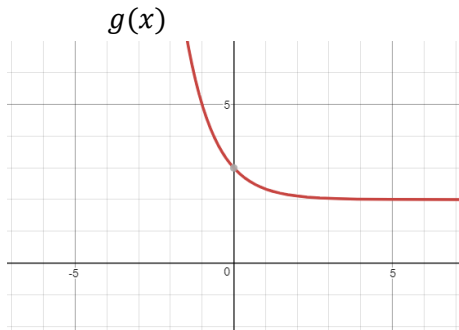


1) The graph below is a transformation of the parent function $f(x) = 3^x$. Describe in words what transformation has occurred then write the equation of the graph in terms of $f(x)$.



Description of Transformation:

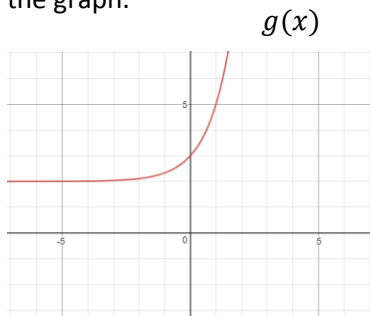
Equation in terms of $f(x)$:

2) Describe the transformation performed on $m(x)$ that produced $t(x)$. Then write an exponential equation for $t(x)$.

$$m(x) = e^x$$

$$t(x) = 2m(x + 1) - 2$$

1) The graph below is a transformation of the parent function $f(x) = 3^x$. Describe in words what transformation has occurred then write the equation of the graph.



Description of Transformation:

Equation: $g(x) =$

2) Describe the transformation performed on $m(x)$ that produced $t(x)$.

$$m(x) = e^x$$

$$t(x) = 2e^{x+1} - 2$$