## Exercise 34

For the following exercises, find functions $f(x)$ and $g(x)$ so the given function can be expressed as $h(x)=f(g(x))$.

$$
h(x)=\left(\frac{8+x^{3}}{8-x^{3}}\right)^{4}
$$

## Solution

Choose

$$
f(x)=x^{4} \quad \text { and } \quad g(x)=\frac{8+x^{3}}{8-x^{3}} .
$$

