Exercise 29

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

$$h(x) = \frac{4}{(x+2)^2}$$

Solution

Choose

$$f(x) = \frac{4}{x^2} \quad \text{and} \quad g(x) = x + 2.$$