Exercise 28

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

$$h(x) = \frac{3}{x - 5}$$

Solution

Choose

$$f(x) = \frac{3}{x} \quad \text{and} \quad g(x) = x - 5.$$