**Exercise** 1 If you know that  $\lim_{x\to 2} f(x) = 3$  and  $\lim_{x\to 2} g(x) = 2$ , then evaluate the following limit:

$$\lim_{x \to 2} \left( 3f(x)^2 + g(x) \right) = \boxed{29}$$