

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

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

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