FUN-5 Combinations and Compositions of Functions (complete 3 of 4 parts for M, complete 2 parts for P)

Given $f(x) = \dfrac{1}{\sqrt{x}}$ and $g(x) = 4x^2 - x$, find and simplify each of the following:

- $(f + g)(0)$

- $\left(\dfrac{f}{g}\right)(2)$

- $(fg)(x)$

- $(f \circ g)(x)$