

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

Given $f(x) = \sqrt{25 - x^2}$ and $g(x) = \sqrt{x + 3}$, find and simplify each of the following:

- $(f + g)(x)$

- $\left(\frac{f}{g}\right)(x)$

- $(fg)(6)$

- $(f \circ g)(-3)$