

Given: $f(x) = 1 - x^2$, $g(x) = 1 - x$, $h(x) = \frac{1}{x^2 - 1}$

1. $g(f(a+1))$

2. $g(h(-5)) =$

Perform the indicated operations and state the domain.

3. $f(x) - g(x)$

4. $\frac{g(x)}{f(x)}$

5. $f(g(x))$

6. $h(g(x))$

