In Exercises 27–32, confirm that f and g are inverses by showing that $f(g(x)) = x$ and $g(f(x)) = x$.

$f(x) = \dfrac{x + 3}{4}$ and $g(x) = 4x - 3$

$f(x) = \dfrac{x + 1}{x}$ and $g(x) = \dfrac{1}{x - 1}$