1-2: Find the difference quotient \( \frac{f(2+h) - f(2)}{h} \) and simplify

1. \( f(x) = -x + 3 \)
2. \( f(x) = \frac{1}{x-1} \)

3. For \( g(x) = x^2 \), evaluate and simplify the difference quotient \( \frac{g(x) - g(4)}{x-4} \)
4. For \( g(x) = \frac{1}{x} \), evaluate and simplify the difference quotient \( \frac{g(x+h) - g(4)}{h} \)
5. Let \( g(x) = x^2 - x \). Evaluate and simplify \( \frac{g(x) - g(1)}{x-9} \)