College Algebra: Quiz #9

1. Evaluate the function

$$f(x) = \begin{cases} 5x - 3 & \text{if } x \geq 2 \\[2mm] \dfrac{1}{x^2 - 6} & \text{if } x < 2 \end{cases}$$

at $x = 8$, $x = 1$, and $x = -2$.