Exercise 1
Prove \( \lim_{x \to 3} (7 - 4x) = -5 \) by using the \( \varepsilon, \delta \) definition of limit.

Exercise 2 (justify your answers)
Let \( f(x) = \begin{cases} 
 x + 1 & , \quad x \leq 1 \\
 1/x & , \quad 1 < x < 3 \\
 \sqrt{x - 3} & , \quad x \geq 3 
\end{cases} \)

(a) Find \( \lim_{x \to 1} f(x) \)

(b) Find \( \lim_{x \to 3} f(x) \)

(c) Find all numbers at which \( f \) is discontinuous

(d) Find the numbers at which \( f \) is discontinuous but continuous from the left

(e) Find the numbers at which \( f \) is discontinuous but continuous from the right