Bonus Question 1

In class, we saw the definition of limit, but in a very imprecise way ("as x gets close to a, $f(x)$ gets close to L"). If you would like to learn about how to precisely define this idea, try this bonus question.

1. Find in section 2.4 of the textbook (or elsewhere) the precise definition of
$$\lim_{x \to a} f(x) = L$$
   This is the so-called ϵ-δ definition of a limit.

2. Prove using the ϵ-δ definition that
$$\lim_{x \to 2} (3x - 2) = 4$$

Due: Wednesday July 11th.
Worth: 0.5 % bonus