Section 2.2

1. Know the definitions of the following terms.
   (a) limit of \( f(x) \) as \( x \) approaches \( a \)
   (b) left-hand limit of \( f(x) \) as \( x \) approaches \( a \)
   (c) right-hand limit of \( f(x) \) as \( x \) approaches \( a \)

2. Write answers to the following questions in your notebook. (Due Friday Sept 20)
   (a) Write down the definition of a limit. Do all the words in the limit make sense? Describe the definition in your own words.
   (b) Give an example of a real life function where the limit does not exist at a point.

Homework

   (a) WebAssign Problems: See WebAssign HW3
   (b) Hand-Written Problems to turn in: 2.2: 1, 12 (Due Wednesday Sept 25)