

Math 251
Jonny Comes
Winter 2006
Assignment #1
Due Friday Jan. 13

From the Textbook:

- Section 2.1: 1, 2, 5, 6, 7.
- Section 2.2: 1, 2, 5, 6, 12, 19, 22.

Additional Exercises:

1. Sketch one graph of a function f which satisfies all of the following:
 - $\lim_{x \rightarrow 1^-} f(x) = 3$
 - $\lim_{x \rightarrow 1^+} f(x) = 1$
 - $\lim_{x \rightarrow -5} f(x)$ does not exist.
 - $\lim_{x \rightarrow 6} f(x)$ exists, but $\lim_{x \rightarrow 6} f(x) \neq f(6)$