Part I: (due at the beginning of class Friday, March 22)

I changed my mind on what I said for Part I in class–sorry! Complete **page 2** only (the back of the first sheet) on the pink Series handout. The questions there are your reading questions.

Remember that what you turn in for Part I should have 3 parts, as mentioned in the syllabus:

(a) Your responses to the reading questions.

(b) Your own questions/comments on the reading/anything else we've been doing in class.

(c) The amount of time you spent on Part I (including the time spent reading/watching).

Part II: Exercises

No Part II this time.

Part III: Homework Problems (due Wednesday, March 27 at the beginning of class)

1. True or false: If the series $\sum_{n=1}^{\infty} a_n$ converges and (s_n) is its sequence of partial sums, then $\lim_{n \to \infty} s_n = \infty$.

2. Suppose $a_1 = -3$, $a_2 = 5$, $a_3 = -4$, $a_4 = 2$, and $\sum_{n=3}^{\infty} a_n = 7$. Find the value of each of the following:

(a) $\sum_{n=1}^{\infty} a_n$

(b) $\sum_{n=2}^{\infty} a_n$

(c) $\sum_{n=4}^{\infty} a_n$

(d) $\sum_{n=5}^{\infty} a_n$

mini-Celebration of Learning Friday, March 15

The mini-Celebration of Learning may have problems on improper integrals (Comparison Test) and sequences.