Problem Set 2

Due date: September 12, 2013, in class.

1. Chapter 2-1 Exercises (Pages 43-44), problems: 3 to 27 (odd numbers only)
2. Chapter 2-2 Exercises (Pages 53-54), problems: 26 to 31 (odd numbers only), 41, 42
3. Chapter 2-3 Exercises (Pages 58-59), problems: 1 to 31 (odd numbers only)
4. Read the newspaper article handout “Rock Groups”. Then:
   (a) Write one paragraph about one of the following: (a) one mathematical fact from this article that you think is interesting, (b) one part of this article that you think is confusing, or (c) one part of this article that you think is fun/funny.
   (b) Find the answer to the following without doing the addition one by one. Explain.
      Compute sum of the first 100 positive integers:
      \[ 1 + 2 + 3 + \ldots + 98 + 99 + 100 = ? \]