Assignment #3

Due Friday, 12 February 2016, at the start of class

Please read Sections II.1 (*again!*), II.2, and II.3 in Gamelin.

Do the following Exercises. The circled Exercises are the ones I will grade, and they are the ones for which I will write complete solutions.

Section II.1, page(s) 39–41, Exercises:

      1 (c) (d)

      3

      5

      7

      8

      10

      11

      15 (a) (b) (c) (d)

      16

      17

Section II.2, page(s) 46, Exercises:

      1 (a) (d) (g)   *(use the definition of the derivative, (2.2) or (2.4))*

      1 (b) (f)   *(use the definition of the derivative, (2.2) or (2.4))*

      2   *(Hint: apply the power rule to a previous finite series.)*

      3

Section II.3, page(s) 50, Exercises:

      1

      2

      3