Math 140a Fall 2015 Homework 4

Due Friday October 23 by 5pm in HW box in basement of AP&M

Reading

All references are to Rudin, 3rd edition.

Continue to read Chapter 2, in particular the material on compact sets. This homework continues to concern problems related to metric spaces and open and closed sets, as well as problems about compact sets.

Assigned problems (write up full solutions and hand in):

Chapter 2: #7, 10, 12, 14, 16, 22, 23

Optional problem (handing in is not required)

Chapter 2: #24