SF 2720, Homework assignment 4 – due Tuesday 08. 11. 2016.// NOTICE: THE CLASS 08.11.2016 STARTS AT 16:15

(1) Exercises 4.9, 4.14, 4.16 from the course book [Barreira, Valls] .

(2) Prove the following analog of theorem 4.8. Let $f : I \to I$ be a continuous map of a compact interval $I \subset \mathbb{R}$. Let f have a periodic point of period 5. Than f has periodic points of all larger periods as well. Please present the detailed proof.
   The aim of this exercise is to learn the method that was not presented during the lecture.

(3) Exercise 6 from Handout 6 (you will find it at the end of the handout). In the beginning of the handout an analogous example is presented. The aim is again to get familiar with the method.