

Real Analysis I

Fall 2019

Homework 5, hints

Exercise session: Wed 9 October, 10:15 - 12:00, Exactum CK111; Emil Airta, emil.airta@helsinki.fi.

1. Lebesgue's differentiation theorem and Exercise 3.2.
2. Use Egorov's theorem for all balls $B(0, N)$.
3. Consider the sets $\{|f - f_j| > 2^{-j}\}$.