

# Analytic Number Theory

Julia Brandes

Problem Sheet 3

Due date: Tuesday, 19.04.2016

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**Problem 1.** Prove Corollary II.6.2 by partial summation.

**Problem 2.** Modify the proof of the Barban–Davenport–Halberstam Theorem to show the Theorem of Bombieri–Friedlander–Iwaniec.