

Algebra 2010-Aalborg University

20th Lecture: Tuesday November 30th, 8:15-12:00 at room G5-112.

- 8:15-8:45 Repetition from last lecture. Differentiation of polynomials. Ideals in polynomial rings. Polynomial rings modulo ideals (pages 153–154 and 161–167).
- 8:45-10:45 Work in groups. Exercises from [Lau], 4.10 (page 179): 27, 28, 15, A, 7, 6 + some exercises from previous lectures that you did not solve yet or see the proof of some proposition/theorems.

Exercise A: prove proposition 4.6.3.

- 10:45-12:00 Lecture: Cyclotomic polynomials. Primitive roots (pages 154–159 and 163).

Best regards,

Diego Ruano