

Complex dynamics
Problem set 8 (due Tuesday, June 14)

1. Prove Lemma 2.6 directly, i.e. without using the Koebe distortion theorem.

Hint. Use Problem 2 of Problem Set 5 of part 1 of this course.

2. Let f be entire. Show that $\rho(f) = \rho(f')$.

3. Let p be a polynomial of degree d . Show that $\rho(e^p) = d$.