UNIVERSITY OF CALIFORNIA, SANTA BARBARA Department of Physics 2014 Winter Quarter

GALAXIES AND COSMOLOGY

Professor Treu

HOMEWORK #8

CMB and the early universe

Problem 1: **Recombination and baryon to photon ratio** Ryden 9.1

Problem 2: **Redshift of Reionization** Ryden 9.5

Problem 4: **Gamow's argument** Ryden 10.3

Problem 5: **Second inflation** Ryden 11.3.