

Computer Science 2300: Homework 2

Due: February 24, 2011

Note: Please use rigorous, formal arguments. You will not receive full credit otherwise. "DPV" refers to the Dasgupta, Papadimitriou and Vazirani textbook. Homework is due **at the beginning of lecture**.

1. (10 points) Problem 2.22 in DPV
2. (10 points) Problem 2.23 in DPV
3. (10 points) Problem 1.19 in DPV
4. (10 points) Problem 1.20 in DPV
5. (15 points) Problem 3.7 in DPV
6. (10 points) Problem 3.15 in DPV
7. (10 points) Problem 3.23 in DPV