

CIS 511: Spring 2015
Problem Set 5: Due April 8, 2015

1. Problem 7.17.
2. Problem 7.24.
3. Problem 7.32.
4. Problem 7.38.
5. Show that if $P=NP$, a polynomial time algorithm exists that produces a 3-coloring, when given a 3-colorable graph.
6. Problem 7.43.
7. Problem 7.54.