

Name:

MA 515 – Homework 9
Due Fri, Nov 7th

Your answers should be detailed explanations written neatly in quality mathematical English.

Problems from J. Lee's book:

Page 64, Problem (Dual of a Linear Matroid)

Page 66, Problem (Dual graphic matroids and planar graphs)

Page 65, Exercise (Maximum-weight spanning tree, continued)

Page 69, Exercise (Dual solution)

If you intend to take the prelim: carefully go through the proof on pages 63-64 that the dual matroid of a matroid is actually a matroid. You do not need to turn anything in, but you are expected to know why this result is true.