Math 4990 Problem Set 8

Partial solutions and comments

Problem	Points	Mean
Exercise 3.24	2	1.9
Exercise 3.56	2	1.6
Exercise 4.14	2	1.0
Exercise 4.15	2	1.9
Exercise 4.29	2	1.8
Problem 6	2	1.0
$\sum$	12	9.3

The most common mistake is not proving that your construction for Exercise 3.56 is Delaunay. I did not take off points for the same mistake in Exercise 4.29. For Exercise 4.14, most solutions were too much hand-waving and not rigorous enough. If you use Euler's formula in Exercise 4.15, you should make sure to specify what object you are considering. Note that a Voronoi diagram is *not* a graph, as it has rays emanating from vertices!