

# Math 25b, Homework $9\frac{3}{4}$

Due at 5 PM, 16 April 2014

**For Nat:** Edwards, Exercises 1.4, 1.5. For 1.4, show that more generally if  $f$  and  $g$  are continuous real-valued functions on some metric space then so are  $\max(f, g)$  and  $\min(f, g)$ , by writing the max and min as  $[(f + g) \pm |f - g|]/2$ .

**For Tudor:** Edwards, Exercises 1.6, 1.7.

**For Sadik:** Edwards, Exercises 1.8, 1.9.