

# STAT 405-01: Mathematical Statistics I

## Problem Set 10

Assigned 2013 November 19  
Due 2013 November 26

**Show your work on all problems!** Be sure to give credit to any collaborators, or outside sources used in solving the problems. Note that if using an outside source to do a calculation, you should use it as a reference for the method, and actually carry out the calculation yourself; it's not sufficient to quote the results of a calculation contained in an outside source.

**1 Hogg 4.4.15**

**2 Hogg 4.4.17**

**3 Hogg 4.4.30**

**4 Hogg 4.5.4**

**5 Hogg 4.5.9**

**6 Hogg 4.6.5**