

HW3 Due Thursday Sept. 24 (flexible if you are in China).

You may discuss problems with classmates but you must write your own solutions. Only the starred problems will be graded but you should do all problems. **Write carefully, legibly, rigorously and to the point, preferably using LaTeX. Homework should be emailed in pdf format to the grader; his name and email address will be posted on the course homepage. Note that photos made using your phone are not readable.**

Read Gamelin: Chapter IV

IV.1: 1, 4, 6*

IV.2: 1c, 2, 4*(a,b only)

IV.3: 1, 3*(a only), 6

IV.4: 1*(a,b,c only)

IV.5: 1, 4*