Print your name and student number very clearly in the upper right hand corner of your front sheet and staple your sheets if necessary. Write in your own voice. Discussion with other students is encouraged; but do not copy the work of others.

1) Stein and Shakarchi, Ch. 5, Ex. 1
2) Stein and Shakarchi, Ch. 5, Ex. 2.
3) Stein and Shakarchi, Ch. 5, Ex. 5, (the Riemann-Lebesgue Lemma).
4) Stein and Shakarchi, Ch. 5, Ex. 7.
5) Stein and Shakarchi, Ch. 5, Ex. 9.