This homework set has four (4) problems. Some of them are routine, others require more thought. You are encouraged to work together and to ask questions of me; however, you must write up your solutions independently. On this and all subsequent homework sets please write neatly and use complete sentences. Writing mathematics well is a craft, aim to hone it!

1. *Folland* Exercise 2.15
2. *Folland* Exercise 2.16
3. *Folland* Exercise 2.19
4. *Folland* Exercise 2.22