

## UM102 – Analysis and Linear Algebra II 2019 Spring Semester

[You are expected to write proofs / arguments with details of your reasoning, in solving these questions.]

**Homework Set 2** (*due by Wednesday, January 16*, in class)

From the textbook *Calculus, Vol. II* by Tom M. Apostol (2nd edition):

**Section 1.13** (Exercises section), on pages 20–22:  
Problems 5, 7, 9, 10, 14.