

**Mathematics 3700H – Metric geometry and topology**  
TRENT UNIVERSITY, Fall 2014

**Assignment #1**

*Due on Friday, 12 September, 2014.*

The problems below are drawn from Chapter 1 of the text:

*Metric Spaces: Iteration and Application*, by Victor Bryant.  
Cambridge University Press, 1985, ISBN 0-521-31897-1.

1. Exercise 4 (p. 4) [3]
2. Find a self-counting list (see pp. 7-8) of length 15. [3]
3. Exercise 8 (pp. 10-11) [4]