MTH 507

INTRODUCTION TO ALGEBRAIC TOPOLOGY

Assignment-2

Submission Date: 14/02/2018

Problem 1. Solve 1, 2, 4 from §57, Chapter 9, page 355.

Problem 2. Solve 1 from §59, Chapter 9, page 349.

Problem 3. Solve 2, 5 from §60, Chapter 9, page 371.

Problem 4. Solve 1 from §61, Chapter 9, page 376.

Problem 5. Solve 2, 4 from §62, Chapter 9, page 380/381.
    You do not need to submit these following problems:

Problem 6. Solve 8, 9, 10 from §58, Chapter 9, page 344.

Problem 7. Show that the fundamental group of the figure eight is not abelian.

Text Book: Topology, James R. Munkres (Second Edition).