CIVL.666, MANE.666
FUNDAMENTALS OF FINITE ELEMENTS
HOMEWORK 4
Due: October 1, 2019

1. In section 2.3 of the text (pg. 60-64) the strong form and weak form of the equations for linear heat conduction are given. Using a Galerkin based method of weighted residuals, show the construction of the given weak form starting from the strong form.

2. (to be graded) Exercise 1 on page 68 of the text book

3. Exercise 1 on page 71 of the text book

4. Exercise 2 on page 71 of the text book