

**Mathematics 3820H – Mathematics from medieval to modern times**

TRENT UNIVERSITY, Winter 2019

**Assignment #6**

*Due on Friday, 5 April.*

Read pp. 54-70 of [1] and then answer the following question:

1. Summarize Euler's argument for the existence of irrational square roots in Part I, Section I, Chapter XII (p. 54 on) and assess to what extent it is rigorous. [10]

REFERENCE

1. *Elements of Algebra* (2nd Edition), Vol. I, by Leonard Euler (trans. by ?, London, 1810), which can be found online (pdf) at:  
<http://books.google.ca/books?id=hqI-AAAAAYAAJ>