Math 520 Homework 6
Due Wednesday, April 21, 2020 by 5 pm

Please remember to write down your name on your assignment.

In light of the current campus closure, please submit your homeworks *electronically* by e-mail to our TA and me.

Exercises in Ahlfors: Solve the following problems:

- Chapter 4 section 4.7 (p. 148) problem 5.
- Chapter 4 section 5.2 (p. 154) problem 1,3
- Chapter 4 section 5.3 (p. 161) problem 1c, 1f, 3c, 3e, 3g
- Chapter 5 Section 1.1 (p. 178) problem 2
- Chapter 5 Section 1.2 (p. 184) problem 3
- Chapter 5 Section 1.3 (p. 186) problem 2 (note that a doubly connected region is one, by definition, whose first homology is $\mathbb{Z}$, or equivalently has a homological basis consisting of one closed curve, or equivalently has one bounded component of its complement), 4