Tenth Homework: MATH 410
Due Wednesday, 4 November 2020

1. Exercise 3 of Section 4.4 in the text.
2. Exercise 5 of Section 4.4 in the text.
3. Exercise 7 of Section 4.4 in the text.
4. Prove Proposition 7.14 (l'Hospital Rule) for the case $L = \infty$ when f and g satisfy (7.18) in the notes
5. Prove Proposition 7.14 (l'Hospital Rule) for the case $L = \infty$ when f and g satisfy (7.19) in the notes
6. Exercise 1 of Section 3.4 in the text.
7. Exercise 3 of Section 3.4 in the text.
8. Exercise 5 of Section 3.4 in the text.
9. Exercise 6 of Section 3.4 in the text.
10. Exercise 7 of Section 3.4 in the text.
11. The exercise on the top of page 41 in the notes.
12. First exercise on page 43 in the notes.
13. Second exercise on page 43 in the notes.
14. First Exercise on page 44 in the notes
15. Second Exercise on page 44 in the notes
16. Third Exercise on page 44 in the notes