Math 255 - Spring 2022
The proof of quadratic reciprocity
20 points

As a project this week, spend approximately one hour and a half reading the proof of quadratic reciprocity in our book. It starts with the proof of Euler's Criterion (Theorem 2) in Section 11, and concludes in Section 12. You may spend more time reading if you wish, but I am giving the time guideline so you protect your time and don't spend too much time on this assignment. So try to keep yourself to as close to one hour and a half as possible.

Then, spend 30-45 minutes writing down what you have understood of the proof. It is fine if your understanding is not complete. What I would like to see is your understanding of the main steps of the proof, which results they each are in the book, and how they fit together. This project will be graded on effort.