
Math 5362 - Algebraic Number Theory

Homework 4

Due - Sunday 12 April 2020 11:59pm

1. Evaluate the following Legendre symbols:

(a) $\left(\frac{19}{331}\right)$

(b) $\left(\frac{43}{491}\right)$

(c) $\left(\frac{1015}{1019}\right)$

(d) $\left(\frac{285}{293}\right)$

2. Prove Theorem 6.8