

**Pries: 619 Complex Variables II. Homework 8.**

1. Miranda IV.1 C
2. Find the zeros, poles, and divisor of the 1-form  $\omega = dx/y$  on the compact Riemann surface defined by the equation  $y^2 = x^5 - x$ .
3. Miranda IV.1 G
4. Miranda V.1 C
5. Miranda V.2 A
6. Miranda V.2 C
7. Miranda V.3 A
8. Miranda V.3 G