

Numbers refer to problems in *The Arithmetic of Elliptic Curves* (second edition) by J. Silverman

Preliminaries on algebraic curves

1. 1.1
2. 1.8
3. 2.14 a, b
4. Determine the group of points of the elliptic curve $E : y^2 = x^3 - x$ with coordinates in the field of 3 elements. Do the same for the field with 5 elements.