Math 204B (Number Theory), UCSD, winter 2025
Problem Set 5

1. Prove that for any local field K of characteristic 0 and any positive integer n, the group $K^*/(K^*)^n$ is finite.

2. CFT notes 4.1, exercise 1.

3. CFT notes 4.1, exercise 6.

4. CFT notes 4.2, exercise 3.

5. CFT notes 4.3, exercise 3.