

**Math 204B (Number Theory), UCSD, winter 2025**  
**Problem Set 6**

1. Deduce the standard formulation of the Chinese remainder theorem from CFT notes, Proposition 6.1.15.
2. CFT notes 6.1, exercise 7.
3. CFT notes 6.2, exercise 2.
4. CFT notes 6.3, exercise 1.
5. CFT notes 6.3, exercise 2.