

**Week 9**      Separability and Galois Theory  
Jacobson I: 4.4, 4.5

1. Jacobson I 4.4.3
2. Jacobson I 4.4.5
3. Jacobson I 4.5.1
4. Jacobson I 4.5.4
5. Jacobson I 4.5.5
6. Jacobson I 4.5.7
7. Jacobson I 4.5.11 (Note the misprint in the problem in the sentence beginning “Hence conclude ... ”)
8. Jacobson I 4.5.13