

Assignment 8, Discrete Math
Covers sections 6.1, 6.2, 8.2, 8.3

1. 8.2 #6(a)
2. 8.3 #2(a)-(b)
3. 8.3 #10
4. 8.3 #14
5. 8.3 #20 (note: there is no sorting algorithm that has worst-case complexity better than $\mathcal{O}(n \log n)$)
6. 6.1 #8
7. 6.1 #12(a) (use that $500 = 2^2 \cdot 5^3$)
8. 6.1 #13
9. 6.2 #13
10. 6.2 #15