

**Artificial Intelligence (CS 534)**  
**Assignment 2 (90 points)**  
**Due: September 28 (Wed), noon**

1. (15 points) **Chapter 3, Ex. 3.8**
2. (15 points) **Chapter 3, Ex. 3.9**
3. (10 points) **Chapter 3, Ex. 3.21**
3. (20 points) **Chapter 3, Ex. 3.22**
4. (30 points) **Chapter 4, Ex. 4.3.**

Note: the part corresponding to the sentence “Compare the results with optimal solution obtained from the A\* with the MST heuristics (Exercise 3.30)” is a bonus question (**20 extra points**). One doesn’t have to include this part to their answer.