Probabilistic Reasoning in AI - Problem set 4

Due Wednesday, March 27, in class
This assignment is worth 10% of your grade

This assignment contains problems regarding utilitiy theory and Markov Decision Processes (lectures 15-19).

1. [10 points] Pearl, pg. 328, Problem 6.4

2. [15 points] Pearl, pg.329, Problem 6.6

3. [10 points] Pearl, pg.329, Problem 6.8

4. [10 points] Sutton and Barto, Exercises 3.10 and 3.11

5. [10 points] Sutton and Barto, Exercise 4.6

6. [10 points] Sutton and Barto, Exercise 6.10

7. [15 points] Sutton and Barto, Exercise 7.5

8. [20 points] Sutton and Barto, Exercise 7.10