Exercise 1
Give three examples of agents acting in specific environments. List their percepts, actions, goals, and environments according to the table given in class. Characterize their environments as being accessible, deterministic, episodic, static, and continuous or not. The three examples should be as different as possible.

Exercise 2
Consider a vacuum cleaning robot and compare the four different agent architectures with respect to this application. What are the advantages/disadvantages of the particular architectures?

Exercise 3
Draw a search tree in which iterative-deepening search performs much worse than depth-first search. Explain why.

Exercise 4
Suppose the negative lower bound $c < 0$ is placed on the cost of any given step, i.e. negative costs are allowed, but the cost of a step can not be less than $c$.
Does this allow uniform-cost search to avoid searching the whole tree if we want to find an optimal path? Give reasons for your answer.