

The Johns Hopkins University  
Department of Electrical and Computer Engineering

Foundations of Reinforcement Learning

**Problem Set #6**

**Homework Rules:**

- Whenever a proof is required, please provide a detailed justification of every step.
- Whenever Python/Matlab simulations are required, please attach a copy of the code. The code should be legible by an experienced reader.
- **Reference book:** Reinforcement Learning: An Introduction, 2nd edition, by Richard S. Sutton and Andrew G. Barto.
- Unless explicitly stated otherwise, exercises are expected to be solved by yourself using only Blackboard resources and your own lecture notes. Verbal and piazza discussions are acceptable, provided that do not involve any explicit writing of the solution.

**Problems.**

1. Answer Sutton&Barto Exercise 4.10.