# Problem Set 1

**Name:** Your Name

**Collaborators:** Name1, Name2

**Problem 1-1.**

(a)

(b)

(c)

(d)

**Problem 1-2.**

   **(a)**

   **(b)**

**Problem 1-3.**

**Problem 1-4.**

(a)

(b)

(c)

(d) Submit your implementation to `alg.mit.edu`.