**Question 1(a), Homework 4, CS483**

**Question 1(b), Homework 4, CS483**

**Question 2(a), Homework 4, CS483**

**Question 2(b), Homework 4, CS483**

**Question 3(a), Homework 4, CS483**

**Question 3(b), Homework 4, CS483**

**Question 3(c), Homework 4, CS483**

**Question 4(a), Homework 4, CS483**

**Question 4(b), Homework 4, C**