Problem Set 5.

1. Problem 1 in Lecture 5

2. Problem 2 in Lecture 5

3. Problem 3 in Lecture 5

4. Problem 4 in Lecture 5

5. Problem 5 in Lecture 5

6. Problem 6 in Lecture 5

7. Problem 7 in Lecture 5

8. Problem 8 in Lecture 5