**373 Math Chapter 8**

**From Text book:**

8.1: 1, 3, 5, 6, 7, 10, 11.

8.2: 5, 9, 10, 11, 12.

8.3: 2, 3, 4, 5, 8, 9, 14, 15, 16.

8.4: 2(b, c, e, h), 4, 5, 6, 8.

**Additional Exercises:**

Q1. Give an example to show that for an open ball Br(y) in a metric space

(X,d), it is not true that.

Q2. Let (X,d) be a metric space and define Prove

that e is a bounded metric for X.