**373 Math**

**Excercises Chapter 3**

3.1: 1,2,3,4,5,6,8,9,13,15,16.

3.2: 1,3,4,6,8,9,10,12.

**Additional Problems:**

Q1: Let be given by

Detemine whether is

a) continuous.

b) continuous.

c) continuous.

d) continuous.

e) continuous.

3.3: 1,2,3,4,7,8,11,13,14.15.20,21,22.

**Additional Problems:**

Q2: Let be a homeomorphism, Prove the

Following:

a) If then

b) If then

**Excercises Chapter 4**

4.1: 1,2,3,4,5,6,8,11.