Hyukdong Kim

Show that followings with definition.

**Definition 1.** A function f(x) is said to be continuous at a point a if  $\lim_{x\to a} f(x) = f(a)$ .

**Problem 1.** Show that (0,1) is open.

Solution:  $\Box$ 

**Problem 2.** Show that [0,1] is not open.

Solution: