

## Recitation #3 - 2.2: Definition of Limits (Teaching Guide)

Here is a suggested structure for this recitation

### Warm up:

- *5 minutes:* Ask students to think about the Warm-up as they are waiting for class to begin. Then discuss the Warm-Up as a class when class begins.

### Problem 1:

- *10 minutes:* Allow students to work on problem 1 in groups. Identify students to present if students seem to understand the idea. You may have students write up their work on the board while other groups are still finishing.
- *10 minutes:* Discuss problem 1 as a class. Allow students to present.

### Problem 2:

- *10 minutes:* Allow students to work on #2 in groups.
- *5 minutes:* Talk about #2 as a class. Allow a student to present.

### Problem 3:

- *5 minutes:* Allow students to talk about #3 in groups
- *10 minutes:* Talk about #3 as a class. Take a quick poll of whether the students think each part is true or false before discussing it. Solicit explanations and counterexamples from the students.