Concepts in section 3.1

In a topological space (X, τ),

- x is a limit point of a set A if every open set containing x contains some point of A other than x.

- the closure of a set A is the union of A and the set of limit points of A.

- a set A is dense if the closure of A is all of X.

Assignment due next class

1. Read section 3.2 in the textbook about the concept of neighborhood (neighbourhood in British and Australian spelling).