**Engineering 102** Name

**TR 3:30-4:45**

**HW #9**

You are given a water tank. The dimensions are shown in the following figures.

a. Build a user defined function to calculate the total volume of the water with a user defined the water level x.

b. With the existing water level x which used in part a and a additional water inlet of 1000 m^3/min, plot the time history of water level. (Label all the axis with units)



