**CSI1241/4201 Systems Analysis**

## CT Problem #3

This exercise can be done either individually or in small groups.

A water tank has three vertical holes drilled into it spaced at ¼. ½, and ¾ of the distance from the top of the tank to the floor (figure 1). The holes are sealed with corks and the tank filled with water. The corks are removed and a hose inserted at the top of the tank. Sufficient water is pumped into the tank to ensure a constant water level. What is the path of the water to the floor (figures 2a-2d)?

