

## **Chapter 2 Problems**

2.1 A pressure of 33 PSI is displayed on a pressure gage. Find the maximum height above the pressure gage that water would rise in a pipe.

2.2 The Grand Canyon is approximately 5,000 feet deep. Drinking and irrigation water are obtained from a stream located 2,000 feet below the rim of the canyon. What would be the water pressure at the canyon floor if the pressure is obtained by elevation only?

2.5 Use the friction loss tables to find the pressure loss due to friction in a 2-inch schedule 40 PVC pipeline that is 1,000 feet long if the flow is 55 GPM. What is the total friction loss and average water velocity?