Solution for HW5

**S5.1**

**Continuity Equation.**

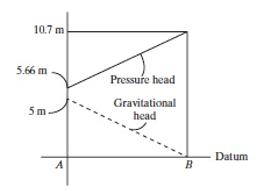
**Bernoulli Equation.** .

Thus

**S5.2**

**Bernoulli Equation.**

The gravitational head coincides with the centerline of the pipe. A plot of the pressure head and gravitational head is shown in Fig. a.



**S5.3**

**Energy Equation.** If we set the datum through B. and .