

### **HW 1.3 Weekly Reflection**

I have learned how to apply Bernoulli's equation in various ways through the problems we discussed in class. One of the techniques we learned was to have a reference point on the diagram. I also learned how to use the equation to determine the height of a figure, calculate the volume flow rate and pressure using specific gravity or specific heat, and find the energy loss of a pipe. For energy loss, I learned how to find the relative roughness value based on a chart, which won't be used, but I also learned how to use the equation for relative roughness. Lastly, I learned how to use Bernoulli's equation when a pipe has an efficiency, which was not a problem discussed in class.