Test #1 Reflection

This test made me know and understand the course objective for computing pressure and the forces my making me use the gamma h equation and others given in the textbook. The second part of this test made me know and understand the course objectives about fluid dynamics in pipes and the objective about Bernoulli's equation.

My test compared to the solutions is pretty similar for the first few parts. Once you get to the calculation's part, they differ a lot. I made numerous mistakes in the calculations part. To start with I wasn't even using the right equation and then I also had mismatched units among a few other things. In order for this to not happen again I am going to take way better notes in class and try to study and do more example problems before the next test. For this test I was prepared on the theory/terminology, but I was nowhere near prepared for the calculations part. So, for the next test or if I could take this one over, I would prep myself way more on the actual calculations part and I would work a lot more example problems before the test.

Based on the writing rubric I did very good and my calculated grade for that part is a 10/10. When it comes to the grading rubric for the two problems that is not very good. I had somewhat the correct procedure but used the wrong equations or had mismatched units and thus my answers were not very correct. For the first problem the grade I calculated for myself was a 4.5/7 and for the second problem it was a 6.5/9. So once you add this to the equation you provided my grade for the test would be a 64.6%. The strengths of my test were the writing part. All the little sections we had to do I did correctly. The weakness on my test was using the correct equations.

Some issues I encountered on this test was understanding what equations to use and where to find them. I trouble shot this by reading through my textbook. I took many steps in order to complete this test and worked on it over a couple of days. If I could change something I would work about ten million example problems before the test. The two new concepts I learned were the gamma h equation and Bernoulli's equation. I believe engineers would use these concepts when designing a pump system for any factory or place of business that needs them.

I hope to use what I learned at my future job as an engineer. Yes, I think what I learned will be very important in my career. I imagine I will use this information at my future job while designing pump systems. No not yet I have not been able to apply anything I have learned so far in this course to anything else in my life. Hopefully I will use this information at a future job. I feel like I was most successful at the writing part and all the sections of the report. I see this courses content intersecting with my career if I ever have a job designing pump systems. I spent roughly 5 to 6 hours on this test over several days. The time was organized such as I did the first problem one day and the second one another day. If I could do something differently, I would work through as many example problems as I possibly could before the test.