1) How and why the test demonstrates your work toward one, or more, of the course learning objectives. Be specific on the course objectives you mention.

After taking this test, I saw that this demonstrated more than one of the course objectives. For (A), this had to do with finding the pressure to determine the buoy size and this correlated with course objective number 2 because I had to use the forces of the buoyant and the fluid forces. Also, it dealt with objective number 3 because I had to find the stability of the buoy when it's half way submerged and prove on why it will stay straight up. For (D), this challenged my knowledge on open flow channels which is objective number 7, this allowed me to find the depth of the trapezoid cross section.

2) How does my test compare to the solution? What advice would I give to myself?

From comparing the test and the solution, it is closely similar because I used most of the right formulas/equations. However, there were some missing crucial parts of what the question was asking. Advice I will give to myself is that when I find a section in the textbook that's related to the question, I have to read it more briefly to understand more of the formulas concept so I won't miss anything next time.

3) What should my grade be? Strengths and weaknesses.

After grading my own work, I strongly believe that the grade on my reflection should be my final grade. I understand that some of the answers were far off mine, however I used the right formulas and utilized the textbook and ODU slides effectively. Compared to the first test, I understood this material better. Stated before, my strengths are finding the right values and formulas, and weaknesses are drawing out the forces and missing some crucial parts in the questions like the Magnitude and handling of pressures.

4) Discuss the following
    a) What issues did I encounter?
        - Starting off the problems was the biggest. Although I had access to the pretest, the questions were still challenging. Also, finding/rearranging the right equations
    b) Steps taken to solve the problems? Changes?
        - .For every question, I wrote down what it was asking, wrote down everything I was given (values,equations) and I went over the concepts in the textbook. From there I knew how to begin
    c) New concepts learned?
        - The biggest thing I learned from this was open channel flows. I understood how to use the trapezoid to find the correct depth using trial

and error on excel. To be quite honest, this was the funnest part for me on the exam.

d) Where do engineers use these concepts?
    - From taking this exam, I can see that engineers use this concept for gas stations. When designing containers to load up trucks, it's important to know the precise measurements and contingencies to avoid hazards.

e) Where do I think I will be using everything I learned?
    - After graduation, I will be commissioning in the Navy. I feel these concepts can be used on ships or submarines because I will be also dealing with filling the ship with fuel if I get service selected in the Engineer Corps

f) What I learned is important to my professional career?
    - Yes (as stated before), if I get selected to be stationed in a ship or submarine, I will have an idea on how to operate some mechanical equipment.

g) How, when, where, and why I might use this skill in the future?
    - Stated in e and f.

h) Have I applied what I learned in other courses?
    - Fluids Lab

i) What areas were I successful, or improved the most?
    - The area I find myself successful was finding the right values in the textbook and understanding on what the question was asking

j) How does this course content intersect with my career?
    - This will intersect with the Navy and engineering job opportunities dealing with fluids

k) How much time was spent on the test?
    - I spent from beginning to the end. I utilized the first 2 days to submit the pre test work so i can get a headstart and the last 3 days from 0900-1900 or even 0200. I wouldn't have done anything differently, I made sure to get all of my other course work done so I can fully focus on this exam.