Jean Gonzales

Test 1 Reflection

1. The test demonstrated my work with the course learning objectives, for examples using ideal gas/cycles, thermodynamics and how to apply the laws. In addition, to applying thermodynamics to jet propulsions like in question number 1. Lastly, being to identify the thermal efficiency and the different states it has to go through.
2. My test compares against my solution my numbers were relatively close to the solution not the exact number but due to the fact that it is almost relatively close to each other showed that I was doing the problem right, could be as a result of rounding errors or conversion errors and units. I made some mistakes in number 2 like the states from 3-4 and not having the ratio, due to fact some information was not given in the test which cause me to text Professor Ayala about the situation and he was able to help me out. If I were taking this test again I need to be more ready I knew this was going to be hard exam but did not expect the exam to be this difficult, no wonder why we got a good amount of time to take this exam.
3. I believe I should get a B- on the exam or a C+, I know my exam was not perfect because I missed out on some parts and just could not figure like for example the last problem in question number 1. I was just in complete lost. However, as overall from creating the structure of the exam and solving majority of the calculations believe I did good on that.

a.What issues did you encounter in completing the test? How did you troubleshoot them?

I encountered numerous issues during the test such as the information that was given to us. I troubleshoot it was using the textbook, re watching the lecture videos and homework problems.

b.What steps did you take to complete the whole test? Would you change something?

I went to the library to complete the whole test, pushing all the distractions away and to stay focus. At first I told myself I could accomplish this test at home, but did not realized how much distractions were there making my mind not 100% into the test. Therefore, into changing that I left to go to the library. During the test, I printed out the sample tests in previous semester to help me organized and learn what the requirements were.

c.What new concepts have you learned?

I learned the material and helped me be more organized during the exam, from laying out what was needed, from the given values, tables and procedures. That was a new process into completing the exam and it worked really great to stay organized. Due to the fact that extent of how much was needed to get done in the exam will require some sort of organization.

d.Where you think engineers use those concepts (provide specific examples)?

Engineers use these concepts into designing materials, from designing airplane, car engines, jets and more that require pressure going in and out, from power and objects that provides work coming in and out. The design of airplane, boats and many more.

e.Where do you think you will be using everything you learned?

Everything I learned, will be used in any professional job that will require the use of critical thinking and problem solving.

f.Do you think what you learn is important for your professional career?

Yes, I believed what I learned is very important to my professional career, and that is to stay focus and used the resources that is given to me in order to finish the problem or design.

g.How, when, where and why you might use this information or skill in the future?

I feel that the information given to me will be a stepping stone to what is to become in my future, not quite sure yet but this is a very good experience and hope to take it in the future.

h.Have you been able to apply concepts you have learned in the course to what you do at work or in other courses?

Yes, I have always been applying concepts I learned in school to my work, and that is problem solving and critical thinking. When it comes to other courses, Thermodynamics were relatively the same and using my knowledge I learned from Thermodynamics to help me. But I am hoping in Fluid Mechanics will be the same concepts in the exam therefore will make me ready for it.

i.What areas did you feel you were most successful, or improved the most?

I felt where I were most successful was during the Procedure and Calculation area, however it required a lot of formulas to solve the problems but once it was calculated it turned out good and made me feel successful.

j.How do you see this course's content intersecting with your field or career?

Thermal Application, will help me broaden my knowledge to my field by understanding more on how power, pressure going in and out, from the turbine work are calculated.

k.How much time did you spend on the test? How was the time organized? What would you do differently? Why?

I spent almost 3 days on this exam. The time was organized was planned out a week before the exam to put this exam aside for a few hours during my day. I believe I don't think I would do anything differently because I felt I took the appropriate action correctly in order to get the exam done in a well effective manner. This was putting this exam a top priority, setting hours aside, to removing the distractions involve in a take home exam, and to be organized.