# Test 2 Reflection

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

In test 2, this test demonstrated multiple objectives described in the syllabus: Apply Rankine Cycle with superheating, re-heating, and regeneration to steam power plants.

For example, the question was based off of an ideal steam regenerative cycle for a power plant. The test objective was to find thermal efficiency and net work. In order to find that I had to use multiple tables and identify all states and its variables of the fluid or gas.

The mistakes that were made were

1. Wrong PV and TS Diagram
   * Not understanding exactly what’s going on in the system
2. Wrong Z
   * Wrong equation
     1. Set up equation correctly next time
3. Wrong Wnet
   * Took the wrong variable
     1. Identify where work is happening to get accurate number
4. Wrong efficiency
   * Wrong Wnet
     1. Came from wrong taking the wrong equation for Wnet

Grade : 80

Strength: All states correct

Weakness: Deciding the correct variable to use for Wnet. If I would’ve got Wnet correct, I would’ve got everything correct.

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

* Figuring out the states and finding mass fraction
  + Think and go through lectures and hw

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

* I went somewhere quiet where I could I focus and think. No, I don’t think I would change anything.

c. What new concepts have you learned?

* How to solve for mass fraction, because at first I forgot but then I remembered.

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

* Engineers who work on designing power plants

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

* N/A

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

* No

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

* I will not be using this information 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. What areas did you feel you were most successful, or improved the most?

* Solving for states

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

* This test I do not see the content intersecting in my career path

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

* A couple hours. I solved the 1st problem one day and then the second problem the next day. Wouldn’t do anything different