

Test 4 Reflection

So, I did this test in 2 parts since the MLDT solution was optional 😊

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

I felt very comfortable solving the solution like Test 1 but I was not comfortable with the MLDT method. This test was very close to the last and due to traveling for work I had to submit this assignment within 2 days of release, and I did not have the appropriate time to understand the method to solve.

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

I solved this problem in 2 parts. Part 1 like test 1 method and Part 2 I attempted the MLDT method but was incomplete. I would have given more time to understand the scope of this solution and the differences for solving.

c. What new concepts have you learned?

After reviewing the solution and comparing it to my HW problems I see I misunderstood this solution required for the extra credit completely. Reviewing the solution showed me that the first solution calculations were close but not as accurate.

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

An engineer would need to apply these concepts when designing copper tubes for the inside of a heat exchanger.

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

I may use this if I am asked to do design work for a new chiller component. Could be something complex or could be something like evaluating the insulation needs to a free cooling fusion pipe system.

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

Yes, since I am currently working as an engineering technician at an HVAC company.

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

I might have to assist in trouble shooting an issue with a unit or identify an issue with a design that effects heat transfer on a chiller.

h. Have you been able to apply concepts you have learned in the course to what you do