Exam Part A:

Question 9/4d:

1. Why was the problem marked as incorrect?
   1. Because my original calculations were incorrect
2. Why did I do it incorrectly?
   1. Because when doing the problem i used the equation that worked for the quiz before it. Apparently there is more to the equation than I initially realized. I knew that when i did the problem there was no (new) information that was applied to the equation that i was using. This did indicate that I knew the problem was incorrect already. I just couldn’t figure out how to change the equation based on the new variables in the problem.
3. Why do I still not understand what I did incorrectly?
   1. What exact equation was I supposed to use? Was there a separate equation that i wasn’t aware of or was my work just incorrect from the start?

Root Cause: My understanding of analogue input voltages isn’t very good to begin and I have a hard time understanding how to get a specific answer and why it works in a certain way. However, I do understand why they want you to calculate such a problem. I’m relatively certain that due to not implementing the 10-bit adc within the equation might have been where I got my answer incorrect in the first place.