

Test 1 Reflection

I overthought almost all the problems in my opinion. I should of thought more logically about the problem first before plugging in numbers in the calculator. For the first problem I solved for the distances of x and y but thought my distance of x was the correct answer but it was really the y distance. My y distance was 1.03ft while the correct answer was 1.01ft so it was slightly off. For number 2 my answer was slightly off by one significant figure. I got 34.4in and the answer was 34.154in. For number 3 I overthought it completely and solved for $Y_{mc} > Y_{cg}$ when I shouldof solved for H_{sub} . After seeing the solutions I gave myself a grade of a B+.

Doing the test in this format makes you think very logically which is important as an engineer. Writing is one my weak points in college so these test will help improve that. It also makes you think beyond just solving the problem, it makes you think about what material is used and design considerations, which is important for engineers. These problems are practical and will be seen in the future for engineers.