Comparisons Kyle De Laurell

Comparison 1(vs. James Sandoval):

When comparing code, I found that my code is better in certain cases because he unnecessarily calls using namespace std in all of his files when he does not need it whereas I do not because it is not needed. On top of this, he writes the implementation of his constructors for the Point class in his specification file where I believe it is better to put that in the implementation file which is what I did. His code was better in the fact that he used the pow function to calculate his distance which is easier to read and understand. He also defined x1, x2, y1, y2 before he calculated the slope and used those to calculate the slope which makes it much easier to read.

Comparison 2(vs. Riley Harrison):

When comparing code, I found that my code does not have much on his code. However, he creates variables when he has to do calculations and then returns the variable instead of doing the calculation in the return line which I thought was better than mine. He also used the power function in his distance calculation which once again makes it easier to read and understand I feel. Other than that our code is very similar.

Comparison 3(vs. Kellen Fields):
When comparing code, I found that my code has more descriptive comments which can help someone looking at my code better understand what they are reading. His comments are scarce and not very descriptive. I also feel that my variable names are slightly better than his as they are a little more descriptive and make it easier to understand my code and what I am trying to accomplish. He used the pow function to calculate distance which as I said before make it easier to read and follow. Other than that our code is very similar.

Improvements:
Looking at everyones code has given me different ideas that I will incorporate into my code in the future. I like how two of my group mates defined a descriptive variable when they were doing calculations and then used that variable to return to the parent function. It makes it easier to understand. So, if someone else is reading it they can see that I am returning distance or slope back to the parent function. This is a lot better than just doing the calculation in the return statement which makes it harder for someone on the outside to know what I am doing. I will also try and use the power function because it makes the code shorter and easier to read/ understand.