

CS 2420

## Final Programming

## Final Programming:

This final was probably one of the best I've taken because the content was so applicable to future usage. I also appreciate how all the tests we have aren't just reviewing what we've learned, but reviewing it and then applying it to something new that we haven't, but that we can figure out if we know the previously learned content. It definitely was a bit of a curve to learn how the set methods would work, but the overriding the previous add, insert, and append methods was pretty easy by just putting an if statement that says if it's already in the set, then don't do it.

	Union AB	Union AC	Union BC	Intersection AB	Intersection AC	Intersection BC	DifferenceAB	DifferenceAC	DifferenceBC	DifferenceBA	DifferenceCA	DifferenceCB
Sizes	2946	935	2379	368	368	368	567	567	2011	2011	0	0

The way I solved this was by creating temporary sets so that I could then pop the items in them and compare them to the original sets and decide to add them or not to the new set.

## Testing:

Thanks for helping me find that little  $n^2$  or more loop! I was able to test my difference on a small group and find it worked correctly. I learned a lot doing this final. Would this be faster if we did a binary search tree?