2018 Spring COP 3503 Section 1Quiz #1 Grading Criteria

1a) 5 pts - (a) 3 pts for saying anything about the compareTo, 2 pts for some reference to the idea that data is lost when we cast to an int. The response need not be as complete as mine.

1b) 5 pts - Give full credit for any test case with multiple close edges that form a cycle or the last two edges in a cycle. Give 3 pts to any case where there are two close edges but that there's no way either algorithm would fail. (This is possible…)

1c) 5 pts - 2 pts for properly return -1 or any neg int, 2 pts for properly returning 1 or any positive number, 1 pt for returning 0 otherwise. Take off 2 pts for flipping the return cases for 1 and -1. Don't take off any points for not checking with a tolerance.

2a) 8 pts - 1 point for having 4-3 together and nothing else, 2 pts for having the other 8 items together, 1 pt for ordering of 4 and 3, 4 pts for ordering of all of the rest. Judge this ordering as best as you can (4 for completely correct, 3 for 75% correct, 2 for 50% correct, 1 for 25% correct, 0 if the structure is really bad.)

2b) 4 pts - 2 pts for the answer, 2 pts for the example

2c) 3 pts - 2 pts for mentioning 1 of the two items (no heights, no path compression), 3 pts for mentioning both

3a) 5 pts - 2 pts for the description of the flaw, 3 pts for the example fully written out. (2 pts for the array, 1 pt for pos)

3b) 5 pts - 2 pts for saying line 4 needs to be change, 3 pts for the correct change (both pieces are all or nothing)