Comments about the Assignment #3

Question#1

For part (a) Phase I is not necessary, you already have a bfs from the slack variables. If you do decide to do the 2-phase method (which is just more work) make sure you are minimizing the artificial variables, not the slack variables in phase I. Some of you used the slacks and still got the right answer - this was lucky because both of the constraints happened to be active.

Question#2

Again, make sure you are not confusing artificial variables with slack variables in phase I. Also, you only need one artificial variable, but you can use more - its just not necessary and its more work.

Question#3

When looking for examples it is often the case that you will be able to find a trivial one!!

Question#4

Well done.

Question#5

There is already a basic solution given so don't start adding unnecessary variables!!

Question#6

Please see the solutions.