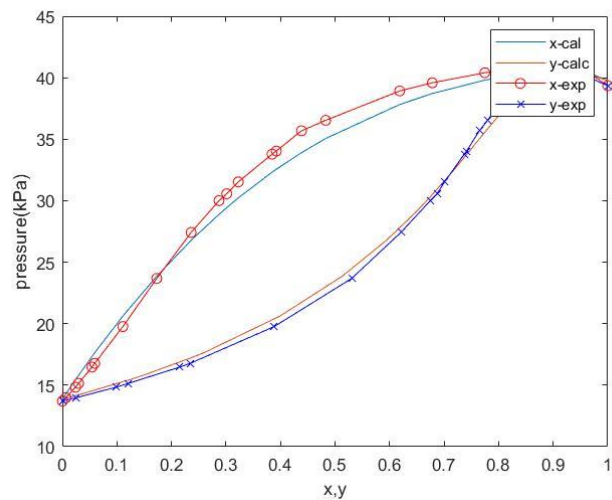
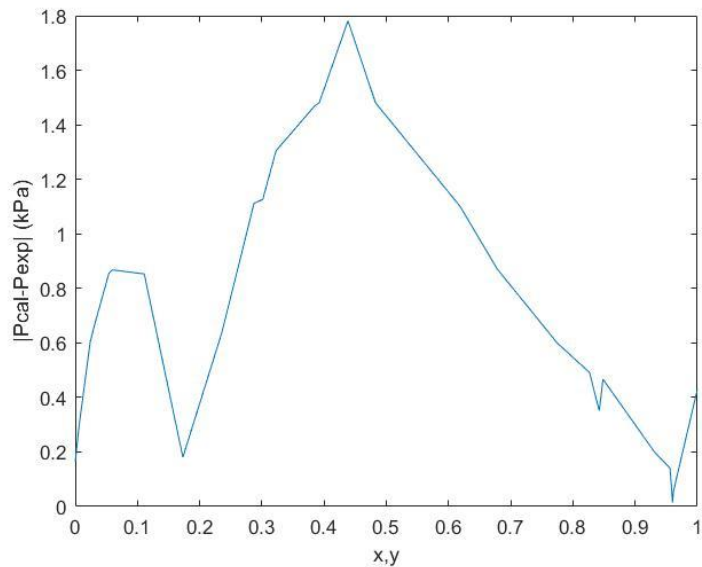
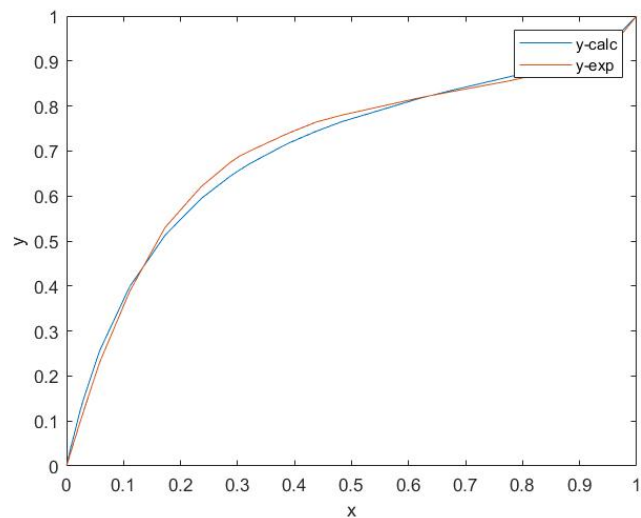


The following graphs are for the first part of problem 1



The following graphs are for the second part of problem 1

