Results from Question 1

Newtons Method solution:

gmol CO : 0.009014

gmol O2 : 0.004507

gmol CO2 : 1.990986

Iterations: 17

Bisection Method solution:

gmol CO : 0.009018

gmol O2 : 0.004509

gmol CO2 : 1.990982

Iterations: 19

MATLAB solution:

gmol CO : 0.009014

gmol O2 : 0.004507

gmol CO2 : 1.990986

Results from Question 2

Height of the liquid level to 3 sig figs: 5.26 ft

Results from Question 3

Surface Temp if the temps in the equation should have been in Fahrenheit

698.5 deg. F

Surface Temp if the temps in the equation should have been in Rankine (I think this one is right)

879.9 R