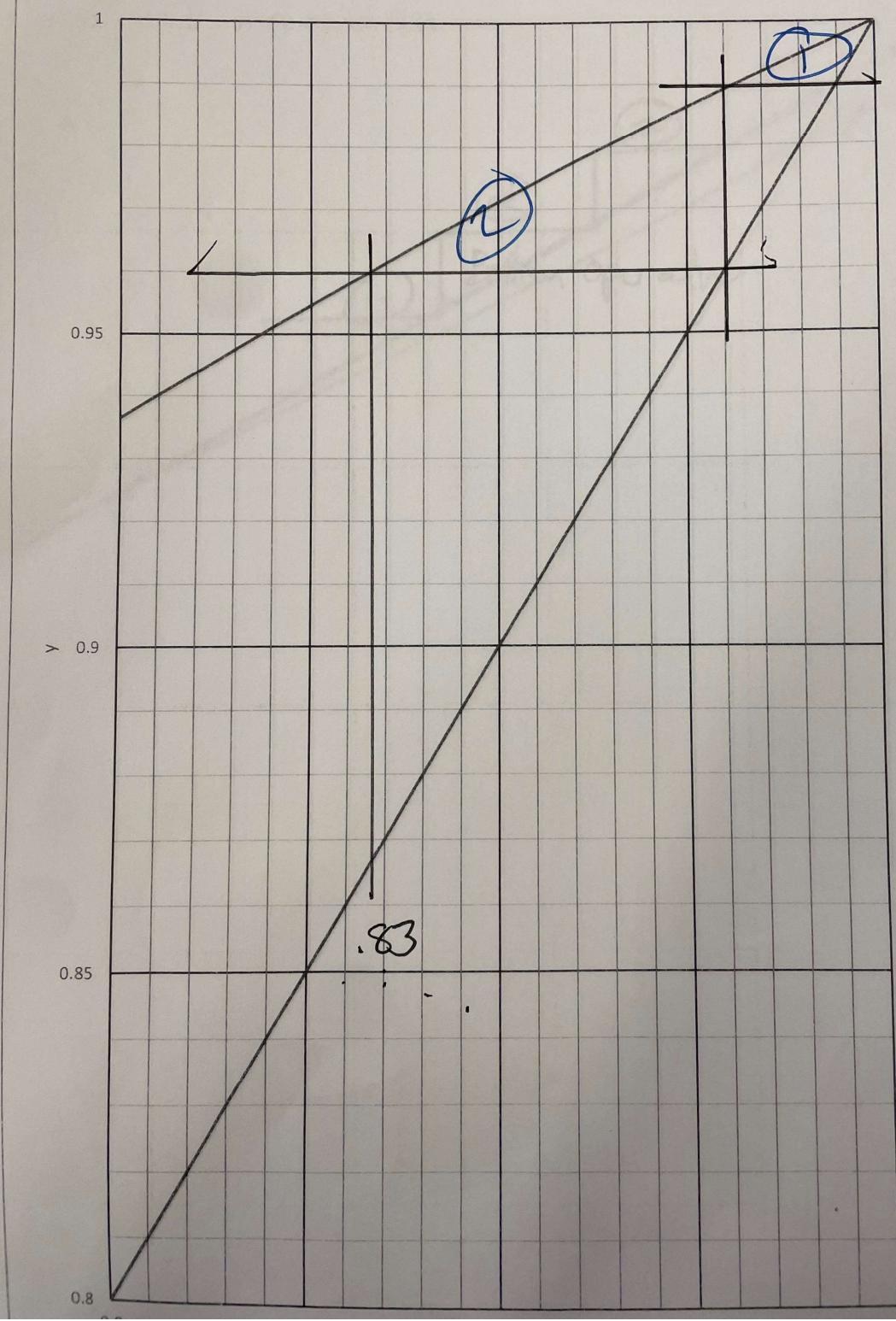


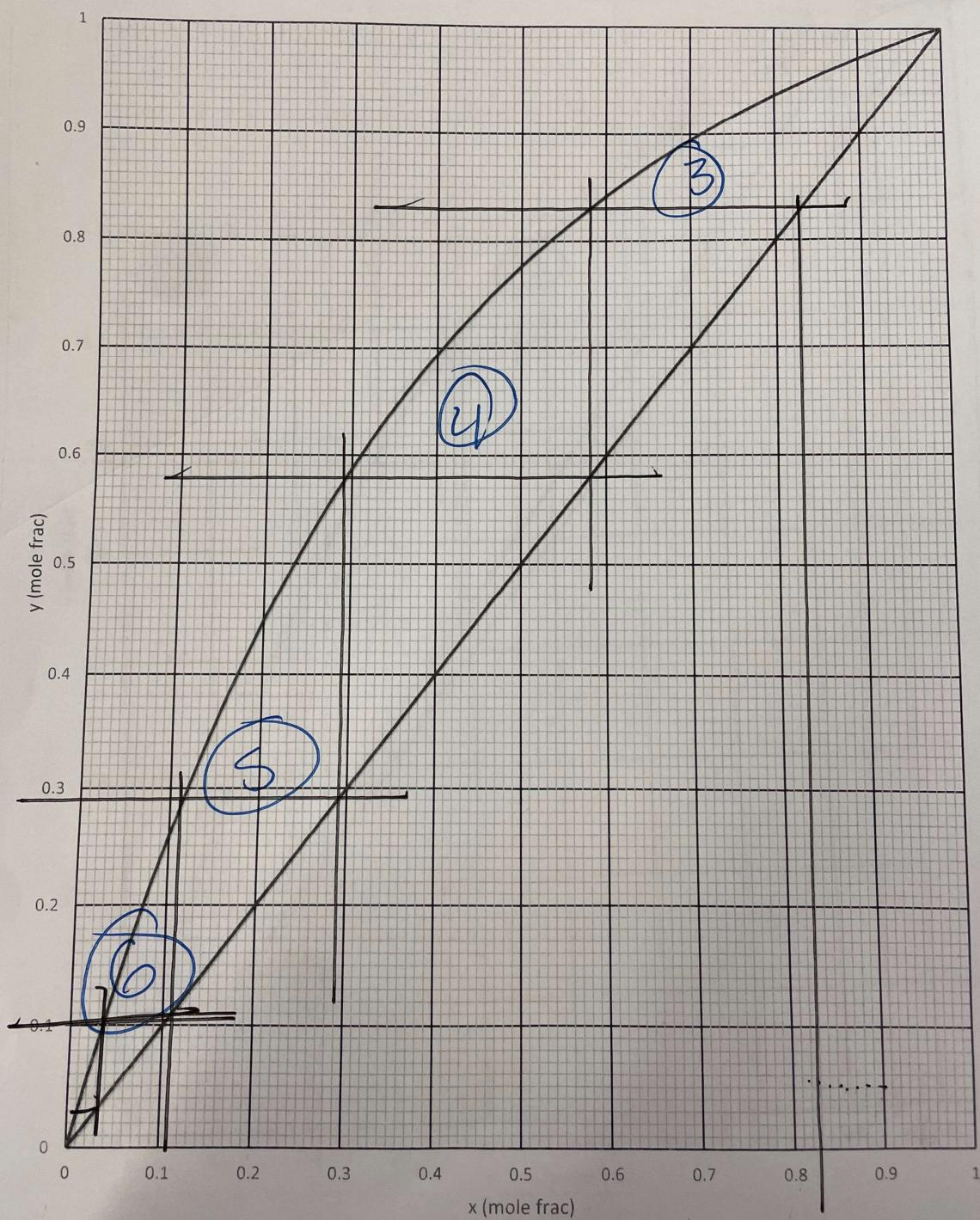
```
==== Problem 1 ====
Slope: 4.0
Verify Slope: -4.00000000000001
minimum xWater liq: .062
maxmimum xWater: .8
20% vaporization: xWater (liq): .2
20% vaporization: xWater (vap): .3
10% liq, percent Vaporization: 66.6666666666667
Flash temperattrue: 126 C
```

```
==== Problem 2a ====
176.020408163265 lbmol/h
73.9795918367347 lbmol/h
==== Part B/C ====
Rmin satLiq: 0.0375939849624060
Rmin satVap: -1.68292682926829
y-intercept Sat liquid: 0.920769230769231
==== Part D/E ====
Minimum stages: 6
Ideal stages: 11
Feed stage: 3
==== Diameter Calculations ====
F_LV: 0.00450350107558113
kV: 0.28683867197733537 ft/s
uC: 4.287323235182754 ft/s
u0: 3.0011262646279278 ft/s
V: 79.5419671628050 mol/h
Vdot: 11.9335382207028 ft3/s
area: 3.97635326489081 ft2
actual area: 4.97044158111352 ft2
diameter: 3.000000000000000 ft
```

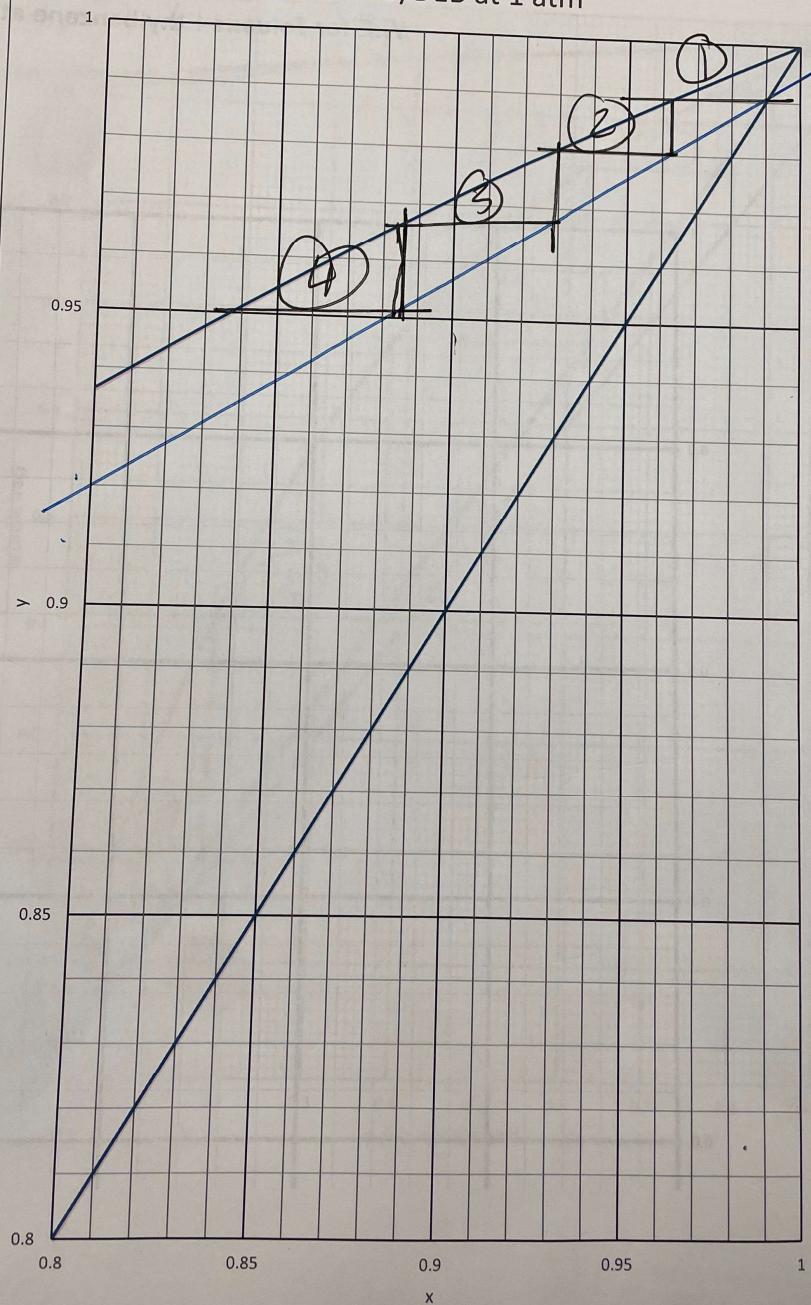
VLE for EB/DEB at 1 atm



VLE for EB/DEB at 1 atm



VLE for EB/DEB at 1 atm



VLE for EB/DEB at 1 atm

