

GLY 4200
Homework Exercise 8

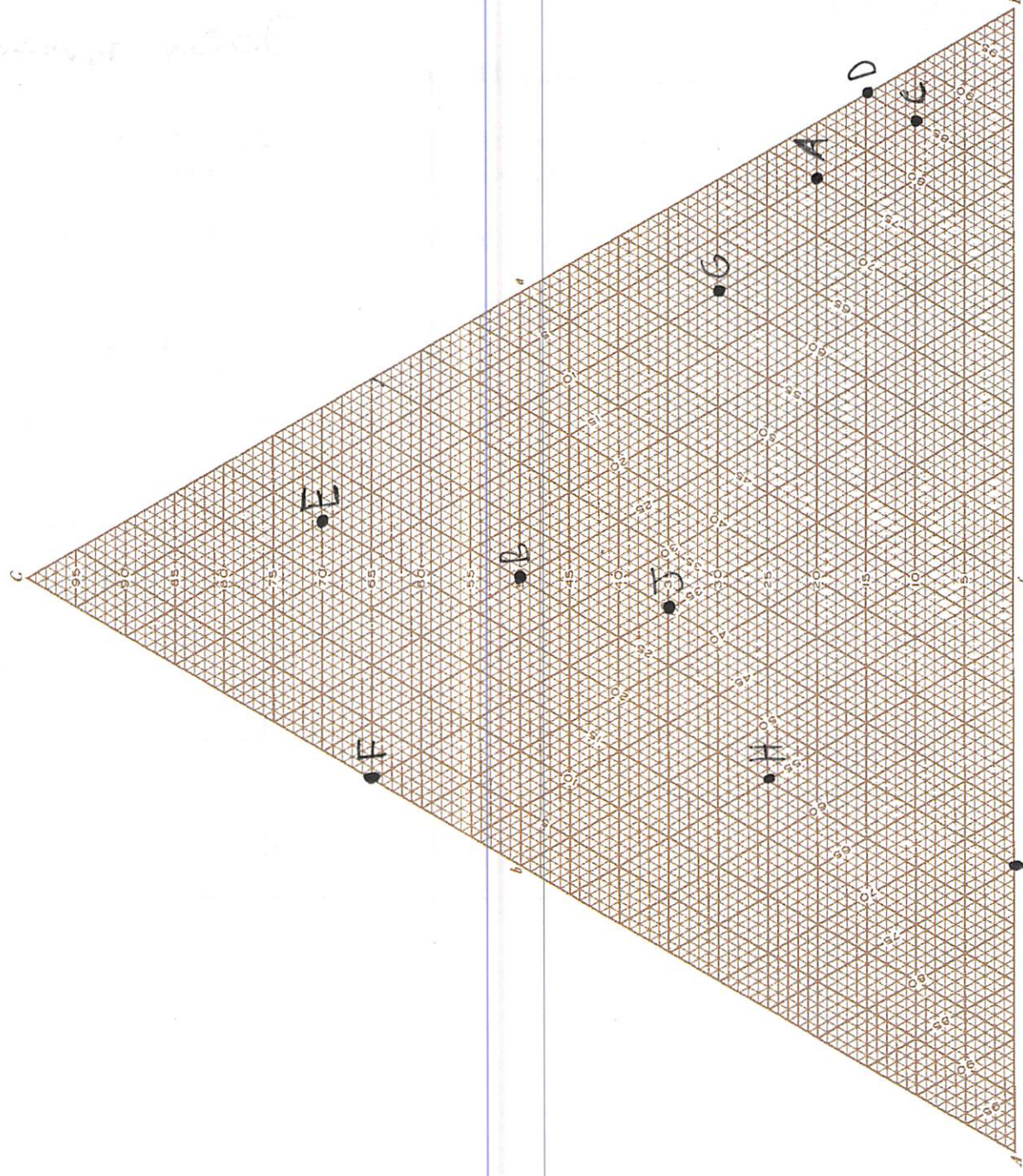
Ternary Phase Diagrams

Assume you have some experimental data for the system sphene-anorthite-wollastonite (Sp = sphene = CaTiSiO_5 , An = anorthite = $\text{CaAlSi}_2\text{O}_8$, and Wo = wollastonite = CaSiO_3).

Label a ternary diagram with Anorthite at the top, Wollastonite in the lower right hand corner, and Sphene in the lower left hand corner.

Point	Anorthite	Sphene	Wollastonite
A	20	5	75
B	50	25	25
C	10	5	85
D	15	0	85
E	70	10	20
F	65	35	0
G	30	10	60
H	25	55	20
I	0	75	25
J	35	35	30

Anorthite



Wollastonite

Sphene