GLY 4200
Homework Exercise 8

**Ternary Phase Diagrams**

Assume you have some experimental data for the system sphene-anorthite-wollastonite (Sp = sphene = CaTiSiO₄, An = anorthite = CaAl₂Si₂O₈, and Wo = wollastonite = CaSiO₃).

Label a ternary diagram with sphene at the top, anorthite in the lower right hand corner, and wollastonite in the lower left hand corner.

Plot the following points.

A)  Sp 5%  An 20%  Wo 75%
B)  Sp 25% An 50% Wo 25%
C)  Sp 10% An 5%  Wo 85%
D)  Sp 0%  An 15% Wo 85%
E)  Sp 10% An 20% Wo 70%
F)  Sp 35% An 65% Wo 0%
G)  Sp 10% An 30% Wo 60%
H)  Sp 55% An 25% Wo 20%
I)  Sp 85% An 0%  Wo 15%
J)  Sp 35% An 30% Wo 35%