Ternary Phase Diagrams

Assume you have some experimental data for the system sphene-anorthite-wollastonite (Sp = sphene = CaTiSiO$_5$, An = anorthite = CaAlSi$_2$O$_8$, and Wo = wollastonite = CaSiO$_3$).

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%