1-) (40 Point) Indicate whether the structures shown are stable or unstable. For stable structures, state whether they are statically determinate or indeterminate. For indeterminate structures, indicate the degree of indeterminacy.
2-) (30 Point) Assume all members are pin connected and 12kN loads are perpendicular to the member AE.

a) Find zero-force members.

b) Determine the forces in members GF, FC, CD. State if the members are in tension or compression.
Find the forces in members and state that if the members are in tension or compression.

a) AK
b) AB, AC
c) KG (Hint: AK = KJ due to symmetry)