

ET 332b  
3 Phase System Homework

For the circuit given below, compute:

- a.) the magnitude of phase voltage
- b.) the magnitude and phase angle of the line currents and the phase currents
- c.) the total apparent power absorbed in the circuit
- d.) the power factor for the circuit

Assume that  $V_{ab}$  is the zero reference phasor.  $V_{bc}$  phase angle is  $-120$  degrees and  $V_{ca}$  phase angle is  $120$  degrees

