Homework Problem #040

For the circuit shown below, calculate the phase currents ($\mathbf{I_{AB}}$, $\mathbf{I_{BC}}$ and $\mathbf{I_{CA}}$) and the line currents ($\mathbf{I_{aA}}$, $\mathbf{I_{bB}}$ and $\mathbf{I_{cC}}$) in polar form with angles in degrees.