ET 332b
3 Phase System Homework

A three-phase wye connected load absorbs 24 kW with a power factor of 0.8 lagging. The line-to-line voltage is 6900 V. Find:

a.) the line-to-neutral voltage of the load
b.) total apparent power, S, absorbed by the load
c.) line current and phase current magnitudes

6900 V_{LL}

neutral