(a) Find the line-to-line rms voltage magnitudes $V_{ll} = |\tilde{V}_{ab}| = |\tilde{V}_{bc}| = |\tilde{V}_{ca}|$ (V).

(b) Find the total three-phase real power $P_{3ph}$ (W) absorbed by the $\Delta$-load.

(c) Find the total three-phase reactive power $Q_{3ph}$ (VAR) absorbed by the $\Delta$-load.

(d) Find the total three-phase apparent power $S_{3ph}$ (VA) absorbed by the $\Delta$-load.

(e) What is the power factor of the $\Delta$-load? (Specify leading/lagging.)