## King Jahd University of Petroleum & Minerals

## جامعة الملك فحد للبنروك و المعادن

Electrical Engineering Department

EE 208: Electrical Systems

Instructor: Umar III. Johar

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Date: December 30, 2007		Term: 071	Quiz # 6
SR #	ID #	Name:	Sec # 1

A  $\Delta$ -load has a **20-** $\Omega$  resistance in each of its phases. If this load is connected to a three-phase  $\Delta$  - **connected** generator having a line voltage  $V_{ab}$  = **208**  $\angle$ **0°** V and given that the line impedance is **zero**, find the following.

- **a.** All **phase voltages** of the source.
- **c.** All **phase voltages** of the load.
- e. All line currents.

- **b.** All **line voltages** of the source.
- **d.** All **line voltages** of the load.
- f. All phase currents of the load.