**dB Quiz**

* At a certain frequency the output power of a filter is 5W and the input power is 10W. Express the power ratio in decibels.
* At a certain frequency the output power of a filter is 10W and the input power is 10W. Express the power ratio in decibels.
* At a certain frequency the output power of a filter is 5W and the input power is 1W. Express the power ratio in decibels.
* Standing in class room N4, I look at the screen of my cell phone, and the reading for the carrier power is -83dBm. What is the absolute signal power (in Watts) arriving at my handset? (make sure you have read the announcement pertaining to dB before attempting this)
* At a certain frequency the output voltage of a filter is 5V and the input voltage is 10V. Express the voltage ratio in decibels.
* At a certain frequency the output voltage of a filter is 5V and the input voltage is 5V. Express the voltage ratio in decibels.
* At a certain frequency the output voltage of a filter is 5V and the input voltage is 1V. Express the voltage ratio in dB
* 0 dBm=
* 0 dBu=
* 0 dBV=

Type your answers into a text editor (like notepad) and upload your answers.