## Assignment 2/3,  due end of semester

❑ *What is the output (voltage WAVE FORM) of an ADC converter sampling at 1MHz clock, an input sine wave of 1MHz ? – explain*

❑ *Draw the the output spectrum of an ADC  in frequency domain of a sine wave of  190KHz sampled at 1MHz. (draw to f=3MHZ, Y-axis=amplitude*

❑ *Draw the output spectrum in frequency domain of a sine wave of 9.5MHz sampled with an ADC clocked at 1MHz, ( draw to f= 10MHz)*

❑ *What is the SNR of triangle input wave form? Height=A.*
*Given an accurate ADC of 13bits. (only quantization noise)*

Lectures
http://www.gigalogchip.com/lectures.html