

TEST REVIEW FOR DSP
Review Your Homeworks including MATLAB commands

TOPIC	Subjects
Analog Filters	Butterworth, etc. 1. Filters – Frequency and time response 2. Go from lp2pl, lp2hp, etc.
Sampling and ADC And Aliasing	Selecting Sampling rate and duration of sampling. Understand effects of aliasing.
Fourier Series	You better know this! Computation Spectrum Properties
Fourier Transform	And Know this! Basics System Analysis Response of Filters
DFT and FFT	Approximation of FT with DFT and FFT Select two: N, dT, Tperiod
z-transform	Take a z-transform. Convert Z(y) to discrete equation y[n].
Z and frequency domain	Given H(z) determine H(F)
IIR Filters	Bilinear Transform
Impulse Invariant	Go from H(s) to H(z)