

## Questions or Review Issues for Week 1

1. How to calculate the spectra of
  - a. time-continuous periodic signals;
  - b. time-continuous non-periodic signals;
  - c. discrete signals
  
2. What is discrete-time-Fourier-transform (DTFT)? What is its relationship to discrete Fourier transform (DFT)?
  
3. If N-point DFT is used to compute the spectrum of a N-point signal sequence, what is the resolution in frequency domain? If M zeros are padded into the sequence and the (M+N)-point DFT is used, what will be the frequency resolution?