

# Recitation #11

## Administrative Announcements

- Quiz #1 on Oct 19, 7:30pm — no class that day!
- Welcome suggestions on what to cover in Friday's revision

## Topics Covered

- Fourier transform: the big picture (CTFT, DTFT, FS, and DFT)
- Discrete time Fourier transform equations
- Discrete time Fourier transform examples

1.  $x[n] = \delta[n]$

2.  $x[n] = \delta[n - n_0]$

3.  $x[n] = (n + 1)a^n u[n]$  where  $|a| < 1$

4.  $x[n] = 1$

5.  $x[n] = \sum_{k=-\infty}^{\infty} \delta[n - kN]$