

Name _____

EE-3221 - Dr. Durant - Quiz 1
Winter 2020-'21, Week 1

1. (3 points) Draw the basic DSP system block diagram showing the 3 main components in series (or 5 components, if you wish to show additional detail that we will cover later in chapter 6).

2. (7 points) Using Table 5-6 and Table 5-7...
- Sketch $x(t) = e^{-(t-2)}u(t-2)$
 - Find $X(\omega)$, the Fourier transform of $x(t)$
 - Sketch the magnitude $|X(\omega)|$.