KNOWLEDGE PROBE 1: DIGITAL SIGNAL PROCESSING
The Concepts of DSP

Learning Objectives
1. Define digital signal processing.
2. Identify commonly performed signal processing functions implemented in DSP.

1. The inputs and outputs of a DSP system are
    a. Analog
    b. Digital

2. In a DSP system, the process is defined by the
    a. ADC
    b. DAC
    c. Algorithm in ROM
    d. Data in RAM

3. Which of the following is NOT a good reason to use DSP?
    a. Ability to do things not possible with analog
    b. Digital compatibility
    c. Lower cost
    d. Superior processing over analog

4. What is the first circuit a DSP input encounters?
    a. ADC
    b. DAC
    c. DSP
    d. RAM

5. Which of the following is NOT a common DSP application?
    a. Amplification
    b. Compression
    c. Filters
    d. Spectral analysis