Instructional Objectives for Roberts Chapter 1 - Introduction

1.1 Signals and Systems Defined

Define the terms *signal* and *system* and give examples.
Explain the difference between analog signal processing and digital signal processing.

1.2 Types of Signals

Classify a signal as: continuous-time/continuous value, continuous-time/discrete value, discrete-time/continuous value or discrete-time/discrete value, even or odd, periodic or non-periodic, deterministic or random.

1.3 Systems

Give an example of a system with feedback.

1.4 A Familiar Signal and System Example

Describe the difference between noise and interference.
Define signal-to-noise ratio.