



ISRA UNIVERSITY

Islamabad Campus

**Program: MSc & BSC (Electrical)
Semester – Fall 2018**

Signal & Systems

Quiz – 1

Marks: 10

Handout Date: 01/11/2018

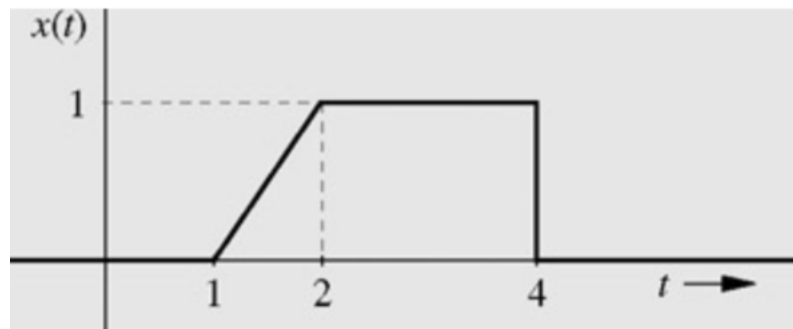
Question # 1:

Determine whether or not the following signal is periodic. If a signal is periodic, specify its fundamental period:

$$x(t) = 2 \cos(10t + 1) - \sin(4t - 1)$$

Question # 2:

Sketch the following signals:



1. Sketch $y(t) = x(-t + 4)$

Question # 3:

Determine whether the following signal is an energy signal, power signal or neither:

$$x(t) = t u(t)$$

Good Luck