



ISRA UNIVERSITY

Islamabad Campus

Program: BTECH (Electrical)
Semester – Spring 2018

Signal & Systems

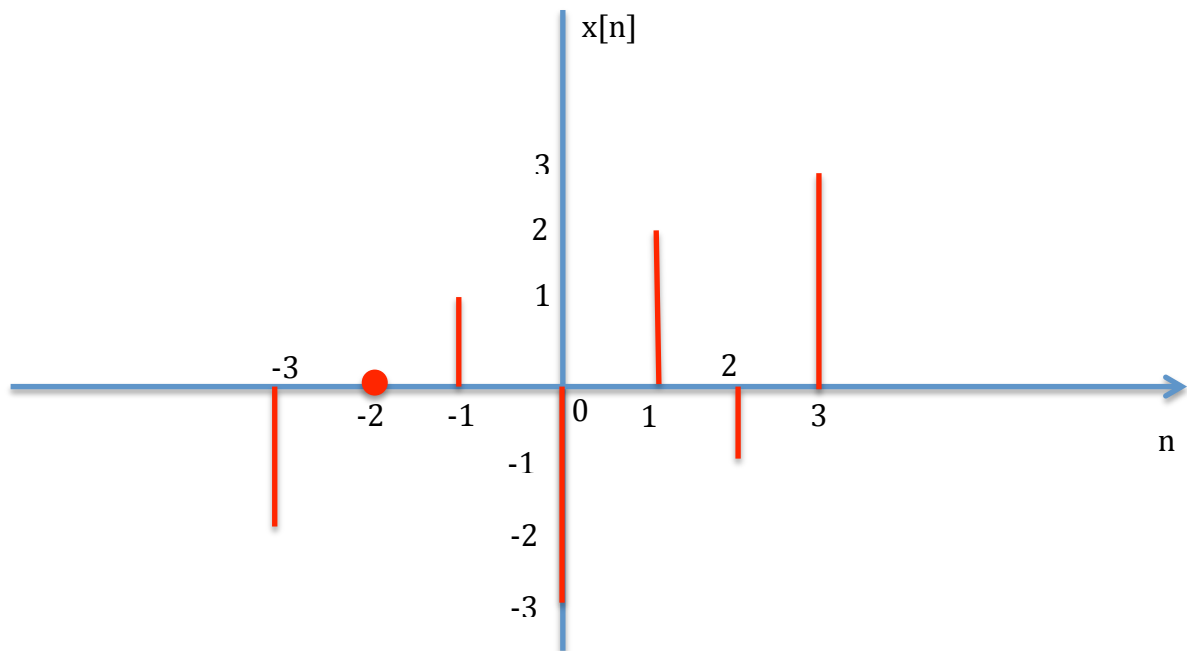
Assignment – 1a
Marks: 10

Due Date: 24/04/2018
Handout Date: 18/04/2018

Question # 1:

A discrete signal $x[n]$ is shown in figure below. Sketch and label each of the following signals:

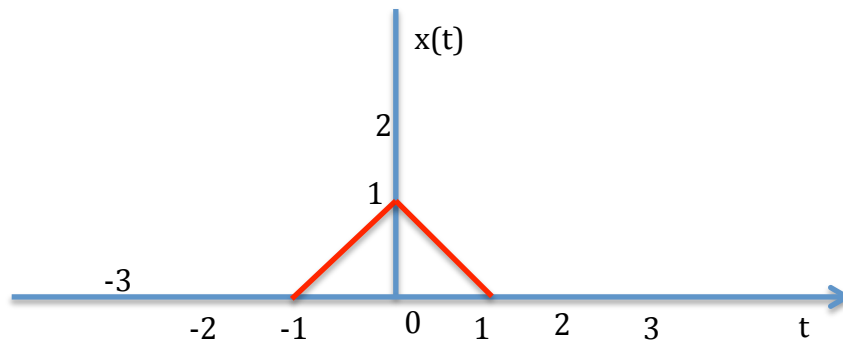
1. $x(n - 3)$
2. $x(n + 2)$
3. $x(3n)$



Question # 2:

A continuous time signal $x(t)$ is shown in figure below. Sketch and label each of the following signals:

1. $x\left(\frac{t}{2}\right)$
2. $x(-t - 3)$



Good Luck