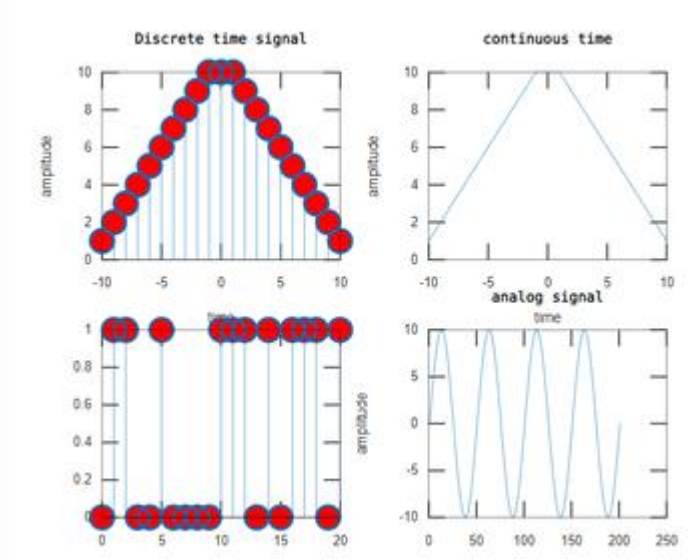
Digital Signal Processing Lab 3

1. Design the following signals.



2. If root of a function $f(x)$ can be computed as the following:

$$x_{k+1} = x_k - \frac{f(x_k)}{f'(x_k)}$$

Then the minimum of the function can be computed as:

$$x_{k+1} = x_k - \frac{f'(x_k)}{f''(x_k)}$$

Repeat this process for N iterations, for any arbitrary function $f(x)$.