13.Consider the signal

1 + t − 1 < t < 0

x(t) = 1 − t 0 < t < 1

0 otherwise

Answer/do the following

• Plot x(t)

• Define y(t) as a periodic signal equal to x(t) in the fundamental period

T = 2.

Plot y(t). Assume the number of pulses to be plotted.

```
t=-1:0.01:1;
x=zeros(size(t));
x(t>-1 & t<=0)=1+t(t>-1 & t<=0);
x(t>0 & t<1)=1-t(t>0 & t<1);
plot(t,x,'color','blue');
hold on;
plot(t-2,x,'color','blue');
hold on;
plot(t+2,x,'color','blue');
hold on;
plot(t+4,x,'color','blue');
hold on;
plot(t-4,x,'color','blue');
```