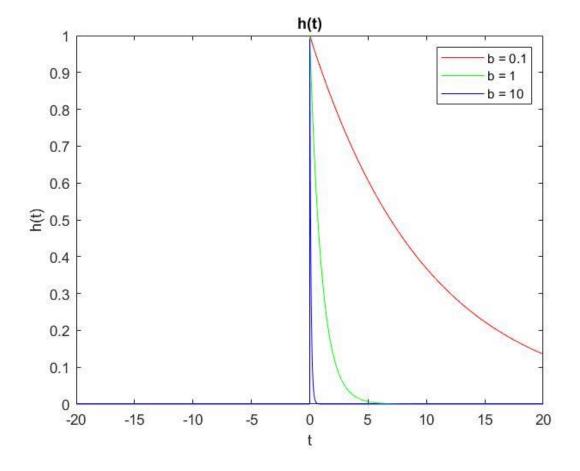
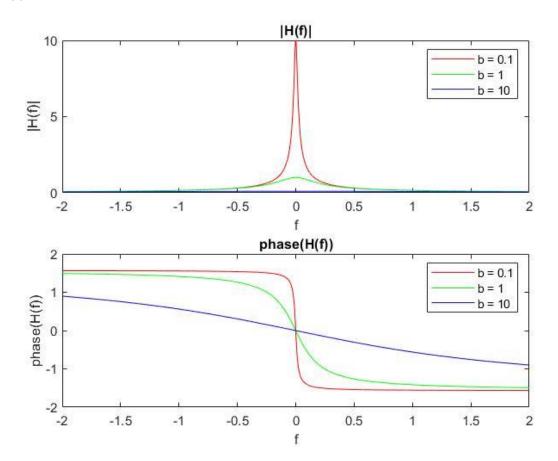
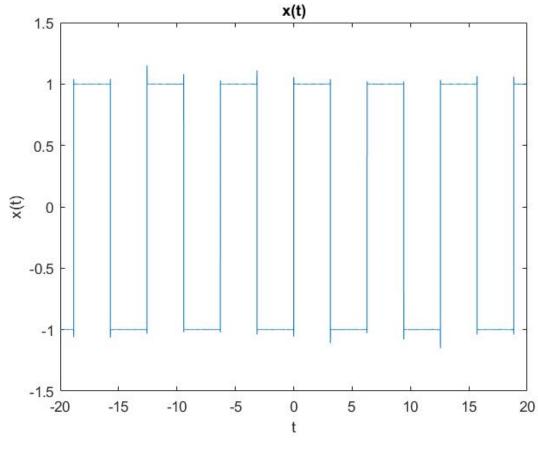
```
NW6 評号1666151 多文写
1.
  y(t)= 5t x(t)-17/t)dI
 1/(t) = 1/t) - (tylty
  y'(t) + (}y(t) = X(t)
  h'(t)+ (th(t)= s(t)
  lit)=wejult/
  Wutwuf (mu = Ste)
  (w/f/w)u+wo)s(t)=s(t)
= w4/2 = 20
  w=c.e-lt
  W(0)=(=|
  w(t)=e-Pt
h(t)=e-Ptult) H(f)= (402)
               / |n(f) = - tan + 2 x f
 y(t)= H(f) x(t)
     = 1 x(t)
```

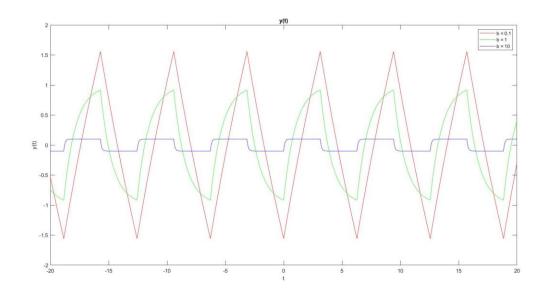




4. x(t)



y(t)



5. 由 2.可知當 b = 10 時 h(t)最像 delta function。而看 4.的 y(t)圖也可發現,當 b = 10 時最接近方波,但相對來說震幅較小。由以上可得,b 越大,失真越小,b 越小,失真越大。