WEEK 2

Heading1

Heading2

Heading3

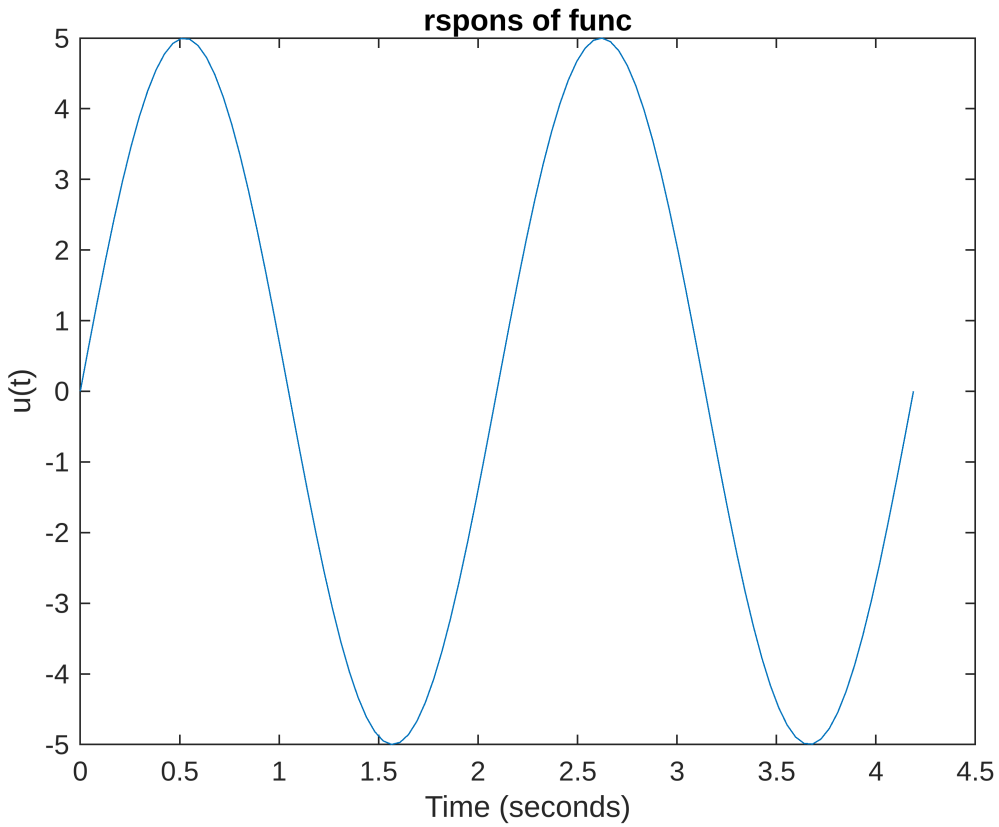
normal

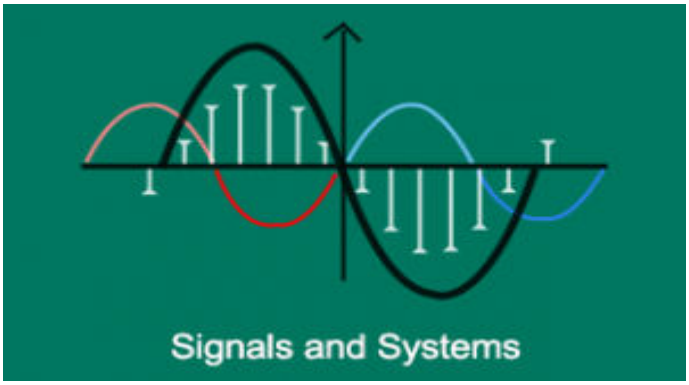
add Equations:

$\theta\mu\omega\delta\Delta\Lambda$

add Code:

```
w=3;
T=2*pi/w;
t=linspace(0,2*T);
u=5*sin(w*t);

plot(t,u)

xlabel('Time (seconds)')
ylabel('u(t)')

title("rspons of func")
```





-->this_is_hyperlink

control:

default_is: ans

```
kans=     30
```

```
kans = 30
```

```
m   =-20
```

```
m = -20
```

```

k   =20
```

```
k = 20
```

```

w=2
```

```
w = 2
```

```
A=3
```

```
A = 3
```

```

n = k*25
```

```
n = 500
```

```
l = m*kans
```

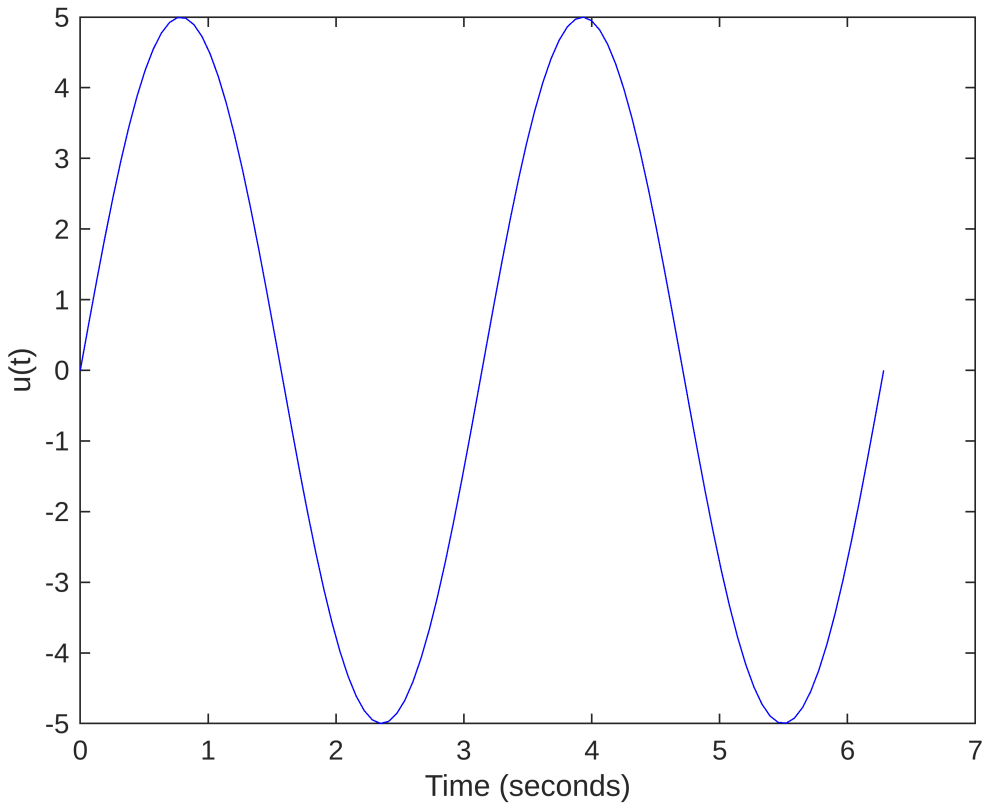
```
l = -600
```

```

T=2*pi/w;
t=linspace(0,2*T);
u=5*sin(w*t);
```

```
rnk = "b"
```

```
rnk =
"b"
```

```
plot(t,u,rnk)

xlabel('Time (seconds)')
ylabel('u(t)')
```




```

```

digits(10)

vpa(pi,digits)

sym(pi,digits)

```
z=2+3j
```

```
z = 2.0000 + 3.0000i
```

```
r=sqrt(real(z)^2+imag(z)^2)
```

```
r = 3.6056
```

```
r2=abs(z)
```

```
r2 = 3.6056
```

```
M=[113 135 223 226
   113 156 1684 48
   5616 45 156 111]
```

```
M = 3×4
         113         135         223         226
         113         156        1684          48
        5616          45         156         111
```

```
M2=[113 135 223 226 ...
   113 156 1684 48]
```

```
M2 = 1×8
         113         135         223         226         113         156 ···
```

```
D=[1 2 3;4 5 6; 7 8 9;1 2 3;4 5 6; 7 8 9]
```

```
D = 6×3
     1     2     3
     4     5     6
     7     8     9
     1     2     3
     4     5     6
     7     8     9
```

```
T=[1 2 3;4 5 6; 7 8 9;1 2 3;4 5 6; 7 8 9]
```

```
T = 6×3
     1     2     3
     4     5     6
     7     8     9
     1     2     3
     4     5     6
     7     8     9
```

```
D(4,3)
```

```
ans = 3
```

```
T(4,3)=7
```

```
T = 6×3
     1     2     3
     4     5     6
     7     8     9
     1     2     7
     4     5     6
     7     8     9
```

```
T(:,3)=[0 0 0 0 0 9]
```

```
T = 6×3
     1     2     0
     4     5     0
```

```
     7     8     0
     1     2     0
     4     5     0
     7     8     9
```

```
T(4,:)=[0 0 0]
```

```
T = 6×3
     1     2     0
     4     5     0
     7     8     0
     0     0     0
     4     5     0
     7     8     9
```

```
T(8,:)=[6 6 6]
```

```
T = 8×3
     1     2     0
     4     5     0
     7     8     0
     0     0     0
     4     5     0
     7     8     9
     0     0     0
     6     6     6
```

```
T(11,:)=[7 7 7]
```

```
T = 11×3
     1     2     0
     4     5     0
     7     8     0
     0     0     0
     4     5     0
     7     8     9
     0     0     0
     6     6     6
     0     0     0
     0     0     0
     ⋮
```

```
T(12,:)=[8 8 8]
```

```
T = 12×3
     1     2     0
     4     5     0
     7     8     0
     0     0     0
     4     5     0
     7     8     9
     0     0     0
     6     6     6
     0     0     0
     0     0     0
     ⋮
```

```
T(:,6)=[9 9 9 9 9 9 9 9 9 9 9 9]
```

```
T = 12×6
     1     2     0     0     0     9
     4     5     0     0     0     9
```

```
     7     8     0     0     0     9
     0     0     0     0     0     9
     4     5     0     0     0     9
     7     8     9     0     0     9
     0     0     0     0     0     9
     6     6     6     0     0     9
     0     0     0     0     0     9
     0     0     0     0     0     9
     ⋮
```

```
T(:,6)=[]
```

```
T = 12×5
     1     2     0     0     0
     4     5     0     0     0
     7     8     0     0     0
     0     0     0     0     0
     4     5     0     0     0
     7     8     9     0     0
     0     0     0     0     0
     6     6     6     0     0
     0     0     0     0     0
     0     0     0     0     0
     ⋮
```