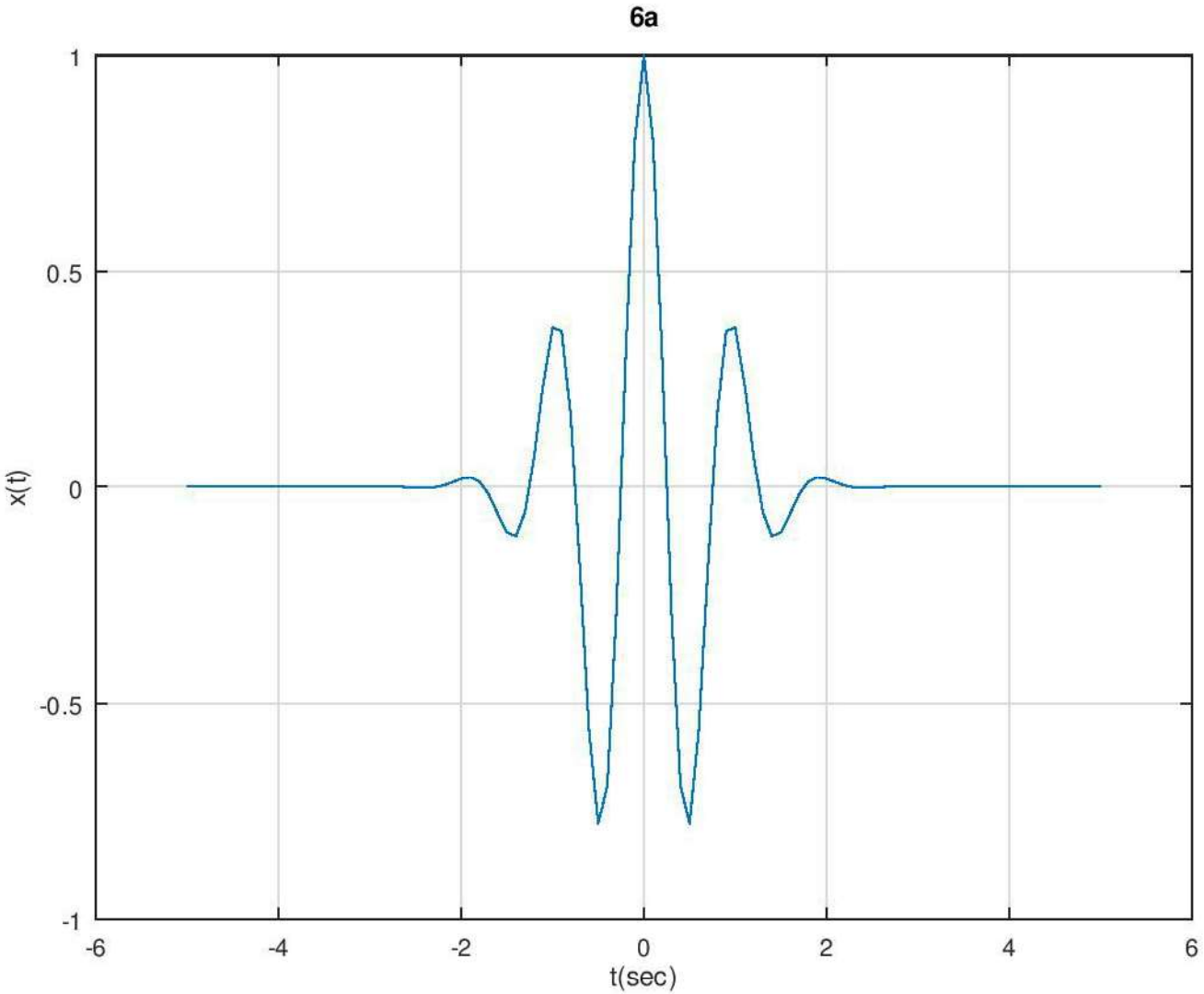
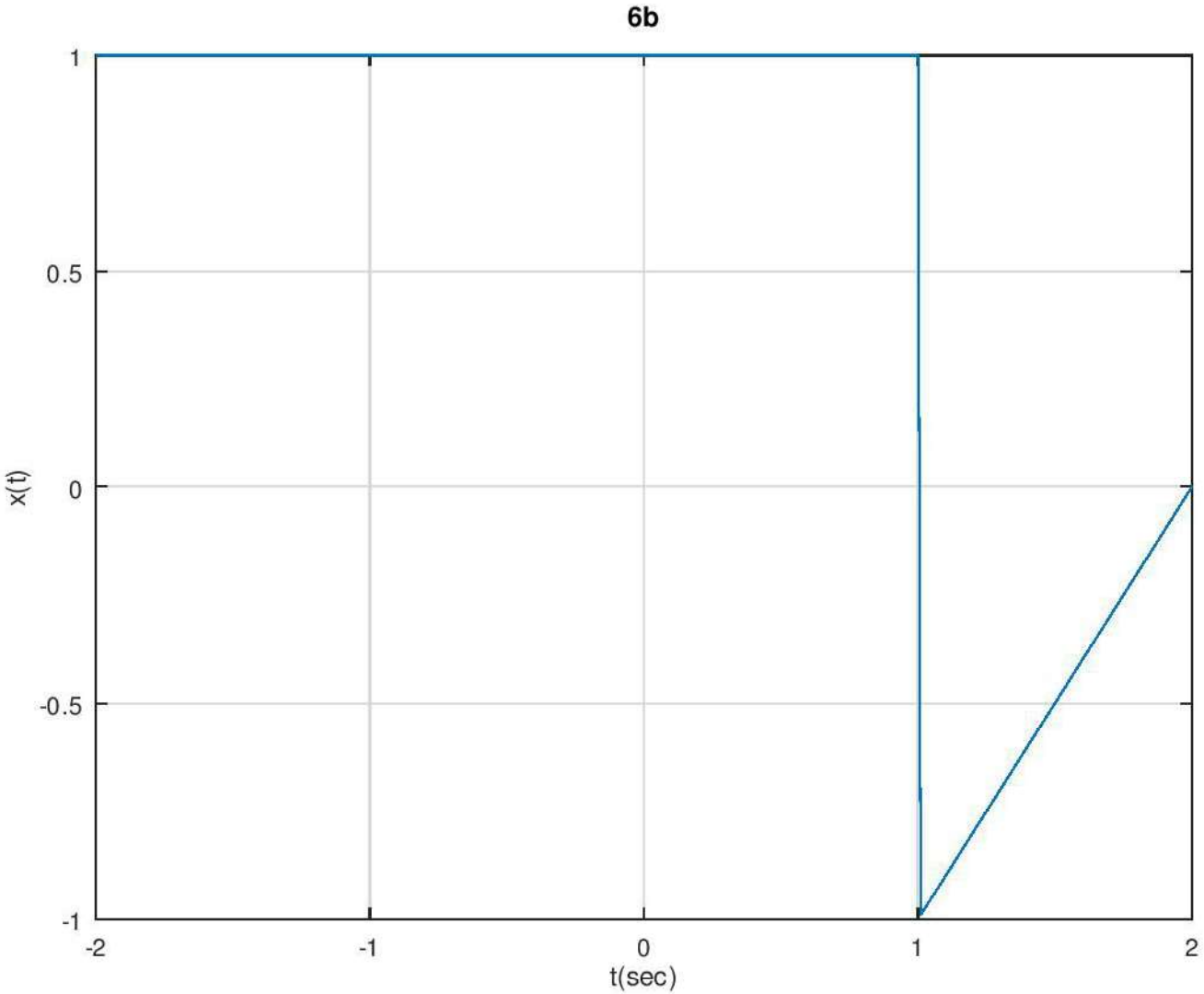
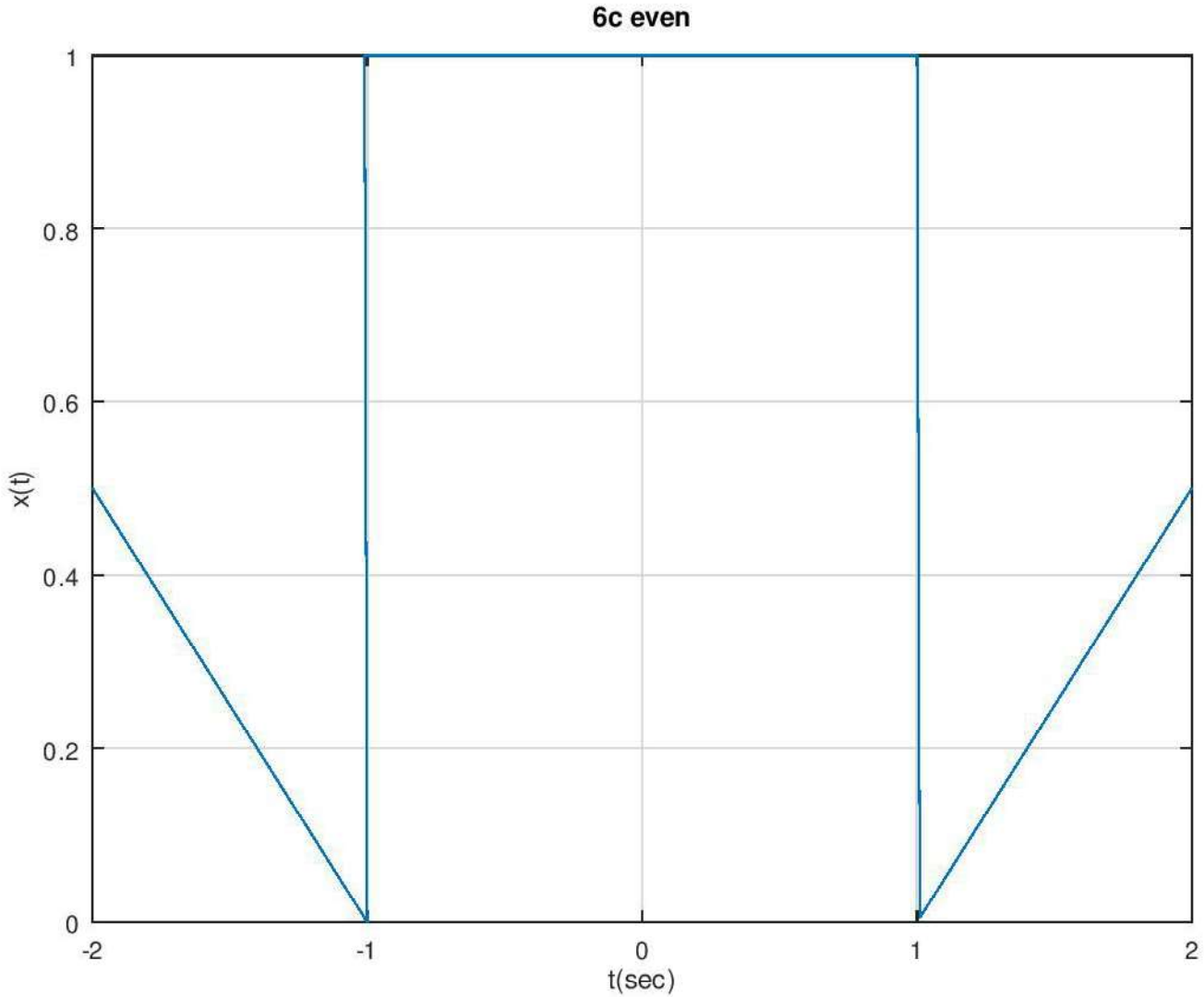
```
# Octave 4.4.1, Wed Oct 10 01:54:08 2018 GMT <unknown@nathan-laptop>
t=-5:0.1:5; x=exp(-(t.^2)).*cos(2.*pi.*t); plot(t,x); grid on; title('6a'); xlabel('t(sec)'); ylabel('x(t)');
```


6a
1
0.5
0
-0.5
-1
x(t)
-6
-4
-2
0
2
4
6
t(sec)

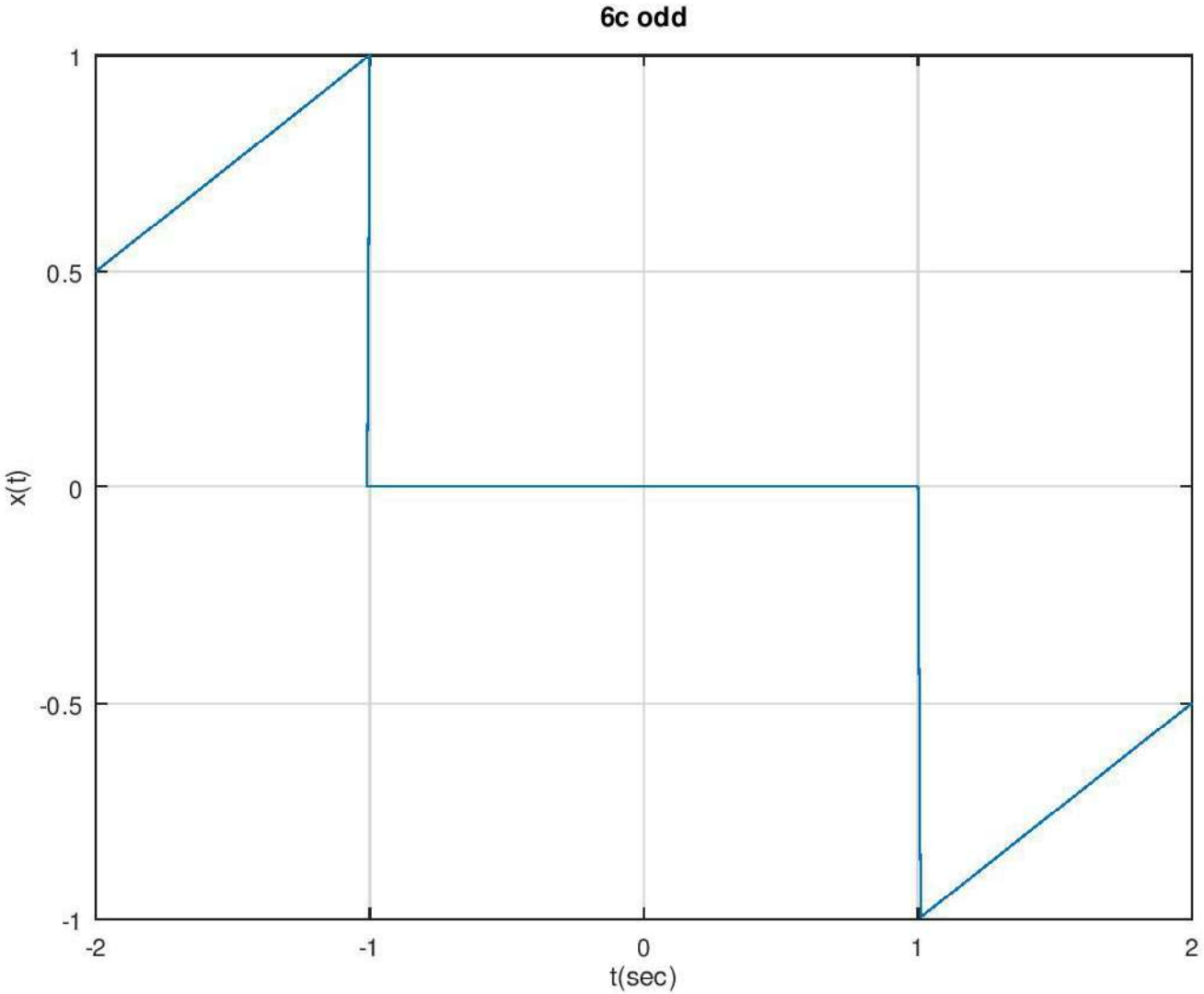
```
t1=-2:0.01:1; t2=1.01:0.01:2; x1=ones(1,length(t1)); x2=-2+t2;
t=[t1 t2]; x=[x1 x2];
plot(t,x); grid on; title('6b'); xlabel('t(sec)'); ylabel('x(t)');
```


6b
1
0.5
0
-0.5
-1
x(t)
-2
-1
0
1
2
t(sec)

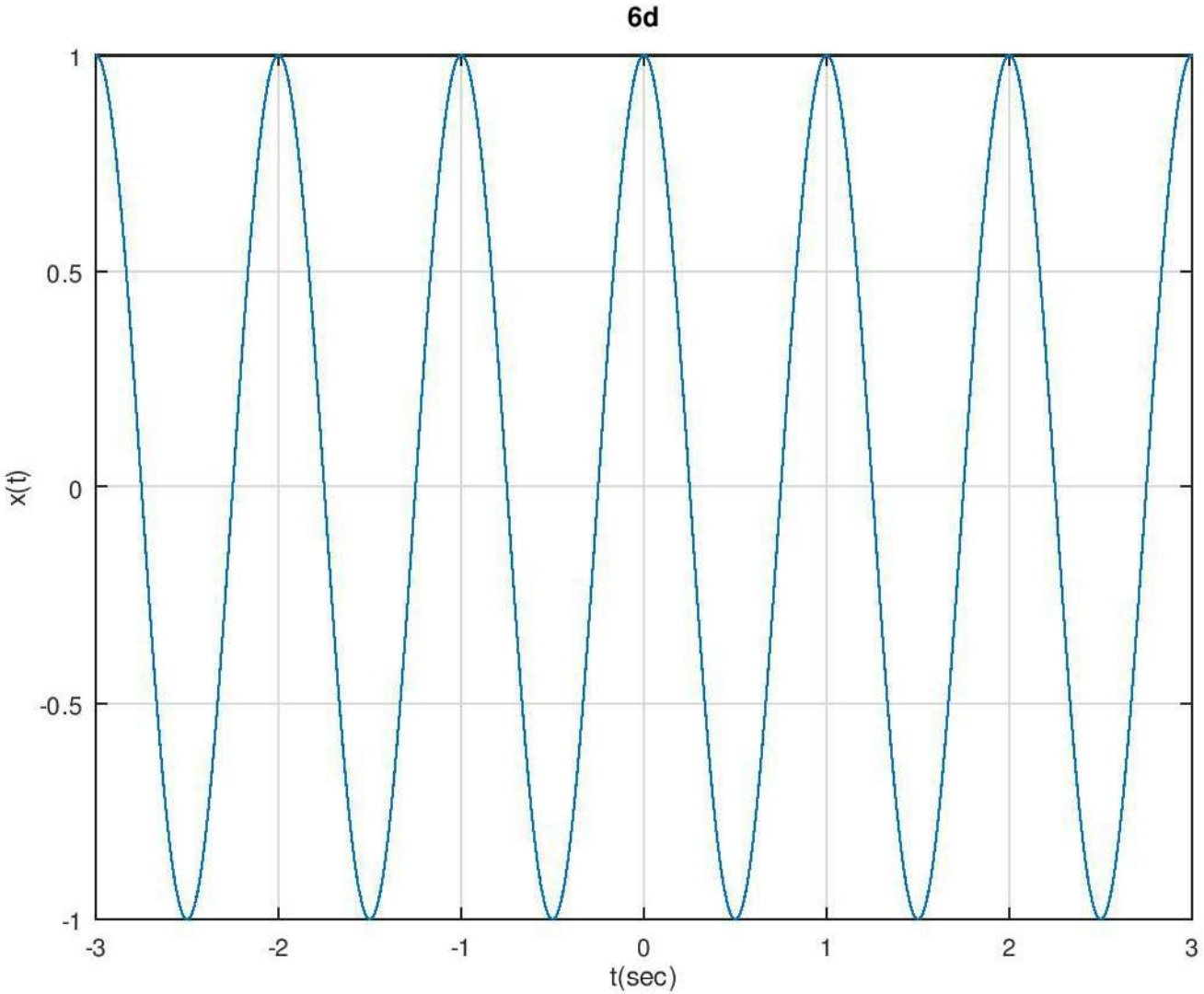
```
t1=-2:0.01:-1; t2= -1.01:0.01:1; t3=1.01:0.01:2;
x1=-0.5.*t1-0.5; x2=ones(1,length(t2)); x3=t3-1;
 plot(t,x); grid on; title('6c even'); xlabel('t(sec)'); ylabel('x(t)');
t=[t1 t2 t3]; x=[x1 x2 x3];  plot(t,x); grid on; title('6c even'); xlabel('t(sec)'); ylabel('x(t)');
x3=0.5.*t3-0.5;
x=[x1 x2 x3];
 plot(t,x); grid on; title('6c even'); xlabel('t(sec)'); ylabel('x(t)');
```


6c even
1
0.8
0.6
0.4
0.2
0
x(t)
-2
-1
0
1
2
t(sec)

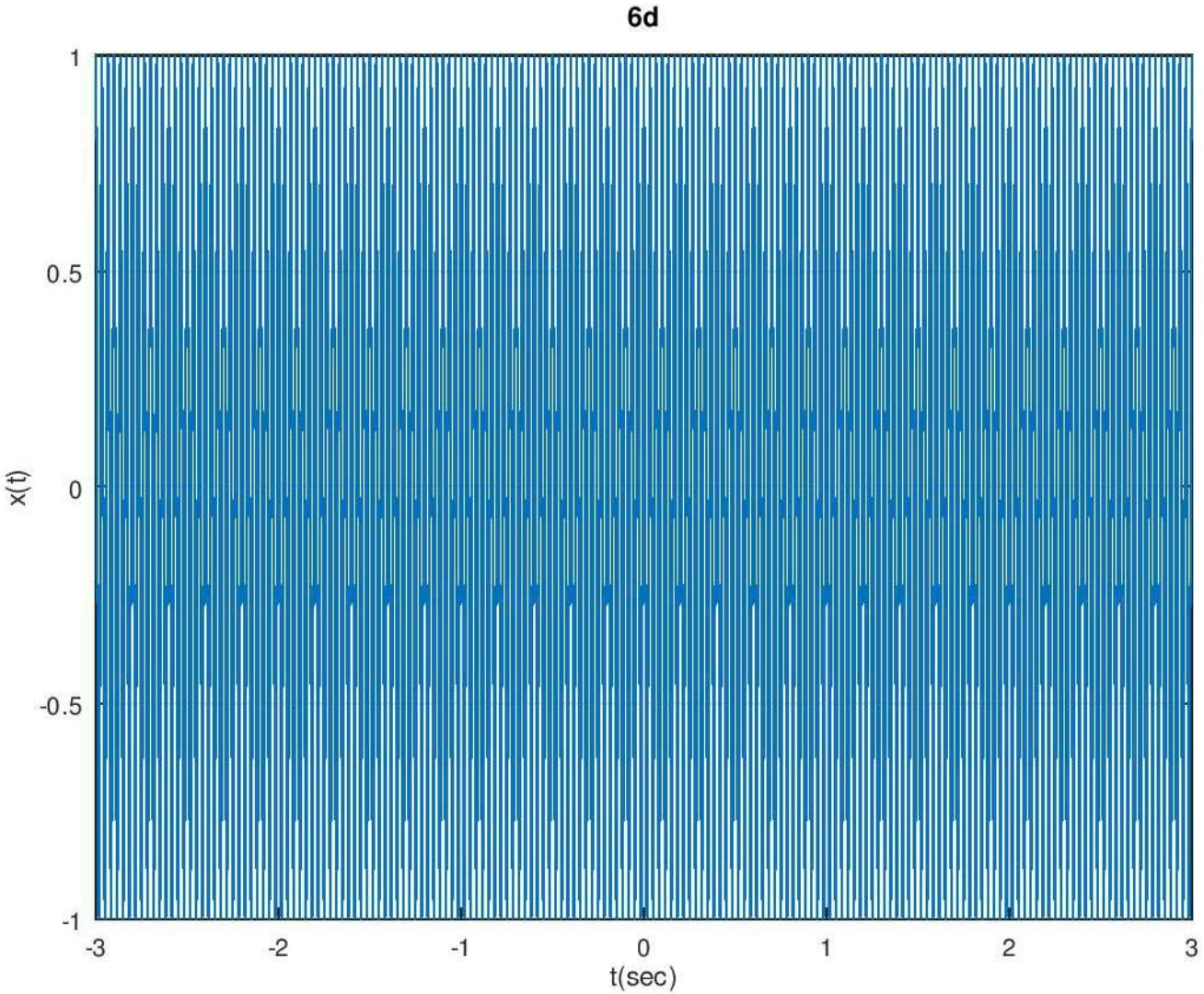
```
x1=0.5.*t1+1.5; x2=zeros(1,length(t2)); x3=0.5.*t3-1.5;
x=[x1 x2 x3];
plot(t,x); grid on; title('6c odd'); xlabel('t(sec)'); ylabel('x(t)');
```


6c odd
1
0.5
0
-0.5
-1
x(t)
-2
-1
0
1
2
t(sec)

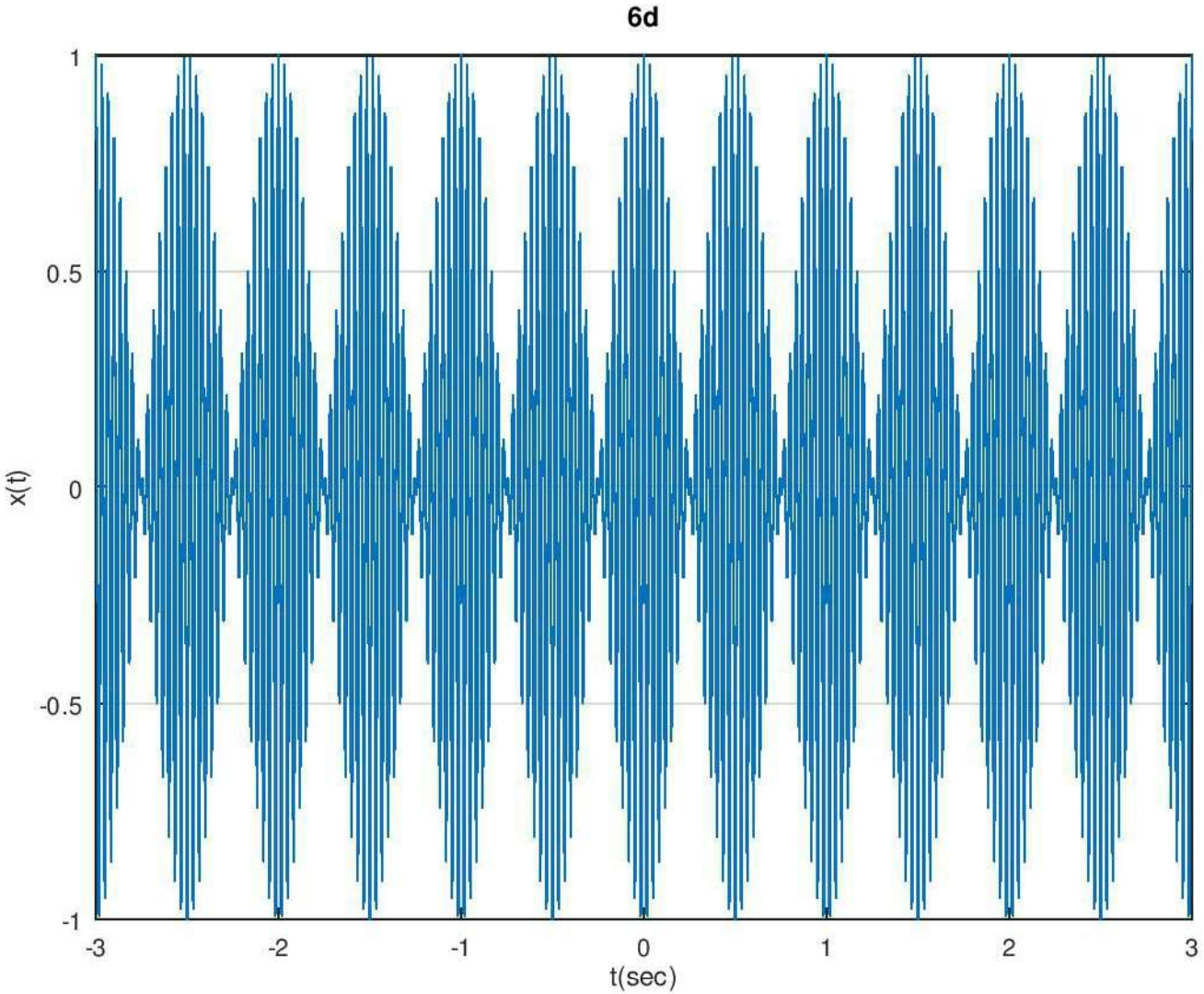
```
t=-3:0.001:3;
x1=cos(2.*pi.*t); x2=cos(60.*pi.*t);
 plot(t,x1); grid on; title('6d');  xlabel('t(sec)'); ylabel('x(t)');
```


6d
1
0.5
0
-0.5
-1
x(t)
-3
-2
-1
0
1
2
3
t(sec)

```
t=-3:0.001:3;
x1=cos(2.*pi.*t); x2=cos(60.*pi.*t);
 plot(t,x1); grid on; title('6d');  xlabel('t(sec)'); ylabel('x(t)');
 plot(t,x2); grid on; title('6d');  xlabel('t(sec)'); ylabel('x(t)');
```


6d
1
0.5
0
-0.5
-1
x(t)
-3
-2
-1
0
1
2
3
t(sec)

```
x3=x1.*x2;
 plot(t,x3); grid on; title('6d');  xlabel('t(sec)'); ylabel('x(t)');
exit
# Octave 4.4.1, Wed Oct 10 02:20:46 2018 GMT <unknown@nathan-laptop>
```


6d
1
0.5
0
-0.5
-1
x(t)
-3
-2
-1
0
1
2
3
t(sec)