

## Tugas 2 Visualisasi Data

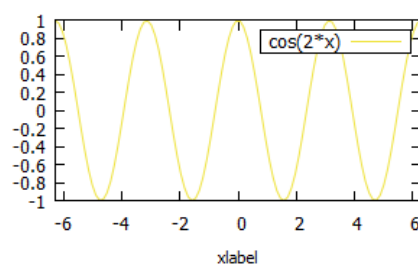
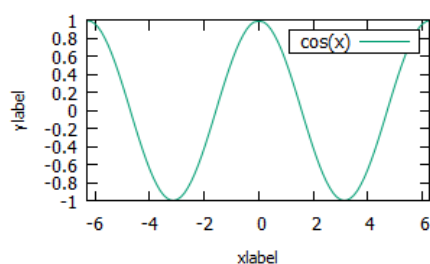
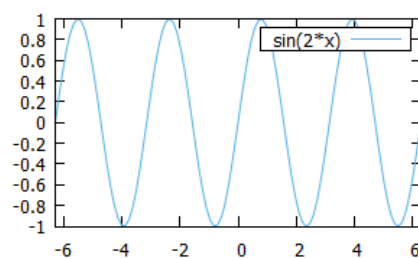
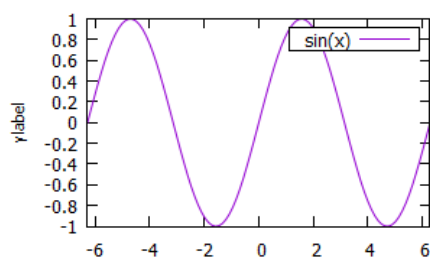
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### Soal 1

```
3_Tugas_1.plt x
1  set multiplot
2  set size 1.0, 1.0
3  set xtics font "Times-Roman, 10"
4  set ytics font "Times-Roman, 10"
5  set xlabel "xlabel" font "Times-Roman, 8"
6  set ylabel "ylabel" font "Times-Roman, 8"
7  set key box opaque
8  set xrange [-2*pi:2*pi]
9
10 # first figure
11 set size 0.5, 0.5
12 set origin 0.0, 0.0
13 p cos(x) ls 2
14
15 # second figure
16 set size 0.5, 0.5
17 set origin 0.0, 0.5
18 unset xlabel
19 p sin(x)
20
21 # third figure
22 set size 0.5, 0.5
23 set origin 0.5, 0.0
24 unset ylabel
25 set xlabel "xlabel" font "Times-Roman, 8"
26 p cos(2*x) ls 5
27
28 # forth figure
29 set size 0.5, 0.5
30 set origin 0.5, 0.5
31 unset xlabel
32 p sin(2*x) ls 3
33
34 unset multiplot
35
```



## Soal 2

```

1 set key top left
2 set xrange [-3*pi/2:2*pi]
3 set yrange [-1.2:1.2]
4 set xlabel "Sudut (radian)"
5 set ylabel "sin(x),cos(x),tan(x)"
6 set xtics pi/2
7 set xtics ("-3/2π" -3*pi/2, "-π" -pi, "-π/2" -pi/2, 0, "π/2" pi/2, "π" pi, "3/2π" 3*pi/2, "2π" 2*pi)
8 set ytics 0.4
9
10 set multiplot
11 set origin 0.0,0.0
12 set size 1.0,1.0
13 p sin(x) ls 7,\
14 cos(x) ls 2 dt 2,\
15 tan(x) dt 3,\
16
17 set origin 0.58,0.1
18 set size 0.4,0.4
19 set xrange [-pi/2:3*pi/2]
20 set yrange [-0.4:0.4]
21 unset xlabel
22 unset ylabel
23 set xtics ("π/2" pi/2, "π" pi) offset 0.0,.5
24 set ytics 0.2
25 set object 1 rectangle from graph 0,0 to graph 1,1 fc rgb "#04AA40" fillstyle solid 0.0 noborder
26 p sin(x) ls 7 t "",\
27 cos(x) ls 2 dt 2 t "",\
28 tan(x) dt 3 t ""
29
30 unset multiplot
31

```

