



# SPTA

## N5 Homework

### Trig. Graphs (A)

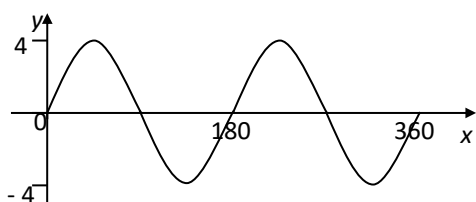


Show all working – Calculator NOT required.

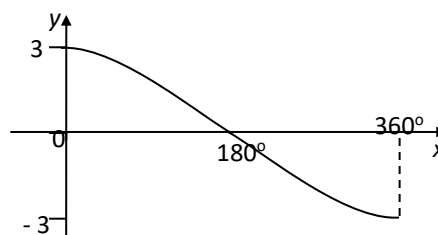
Marks

1. Write down the equations of the following graphs.

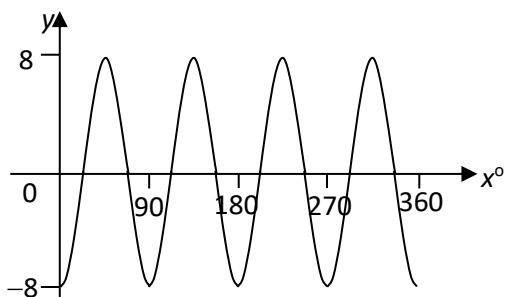
a)



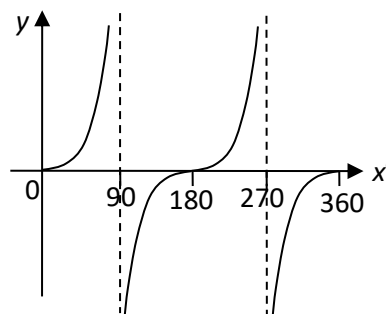
(b)



c)



(d)



(11)

2. Make a neat sketch of each of the following for  $0 \leq x \leq 360$ , showing all important points.

a)  $y = -3\sin 2x^\circ$

(b)  $y = 2\cos x^\circ + 1$

(c)  $y = 4\sin(x - 45)^\circ$

(9)

Total Marks: 20