Show all working – NO Calculator allowed.
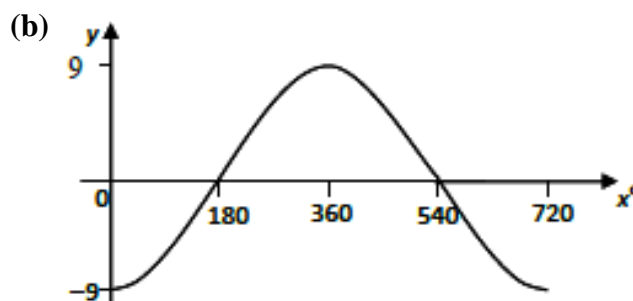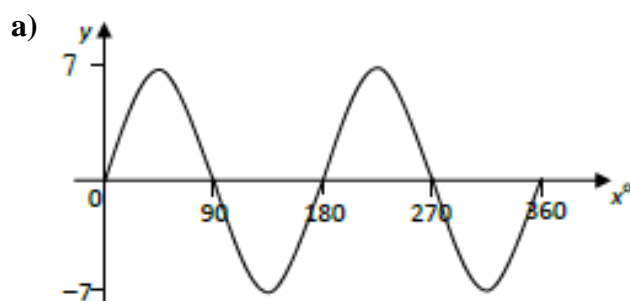
Marks

1. Write down the equation of each of these graphs:

a)

(b)

(4)

2. Make a neat sketch of the graph for $y = 3\sin(x - 30)°$ for $0 \leq x \leq 360$

    Show all the important points. (3)

3. Put the following in ascending order without a calculator giving a reason for your answer

    $\cos 90°$ $\cos 210°$ $\cos 330°$ (2)

4. Give any value for x where $0 \leq x° \leq 360$ which satisfies these conditions

    $\sin x°$ is negative $\cos x°$ is positive $\tan x°$ is negative (1)

Total Marks: 10