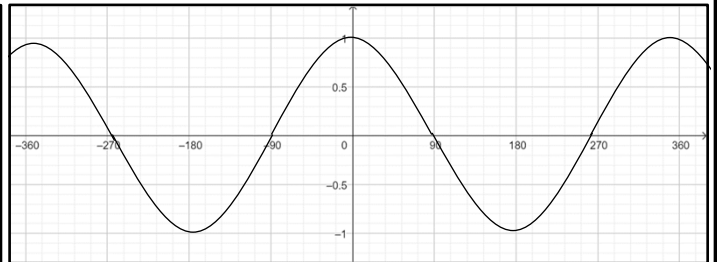
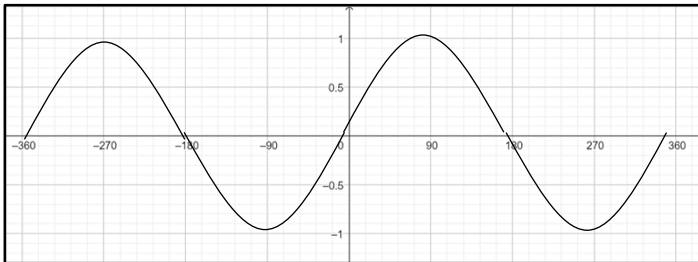




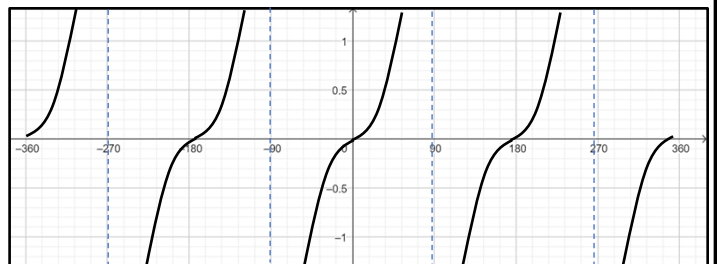
Name: \_\_\_\_\_



Plot the graphs of  $y = \sin(x)$ ,  $y = \cos(x)$  and  $y = \tan(x)$  – use can use the table to help you:

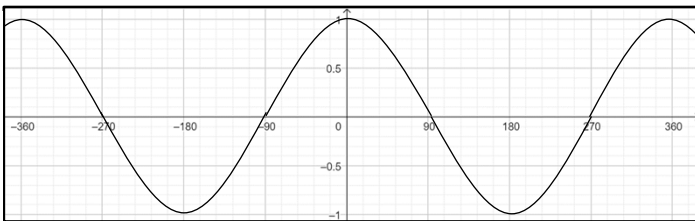


$0$	$Y = \sin(x)$	$Y = \cos(x)$	$Y = \tan(x)$
$-180^\circ$	<b>0</b>	<b>-1</b>	<b>0</b>
$-90^\circ$	<b>-1</b>	<b>0</b>	
$0^\circ$	<b>0</b>	<b>1</b>	<b>0</b>
$90^\circ$	<b>1</b>	<b>0</b>	
$180^\circ$	<b>0</b>	<b>-1</b>	<b>0</b>

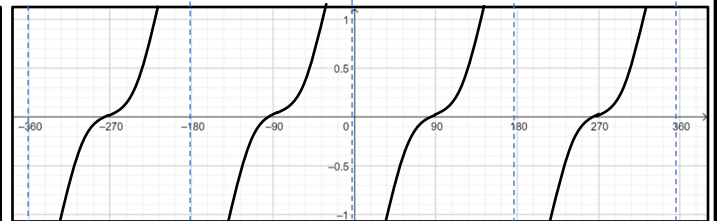


Using your graphs drawn above to support you to:

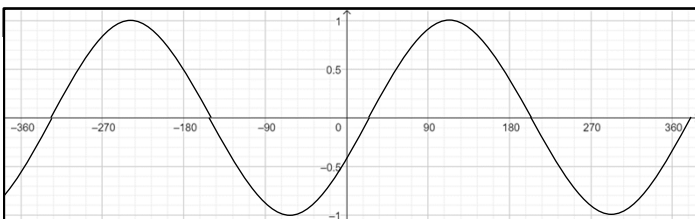
a) Sketch the graph of  $y = \sin(x + 90)$



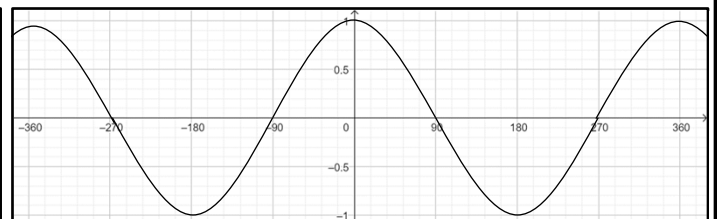
b) Sketch the graph of  $y = \tan(x - 90)$



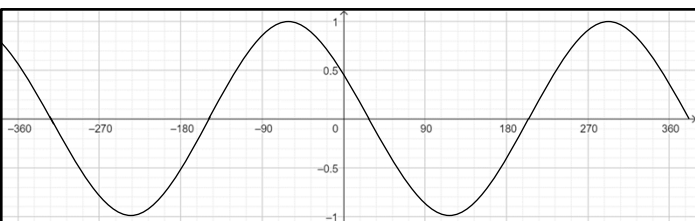
a) Sketch the graph of  $y = \sin(x - 30)$



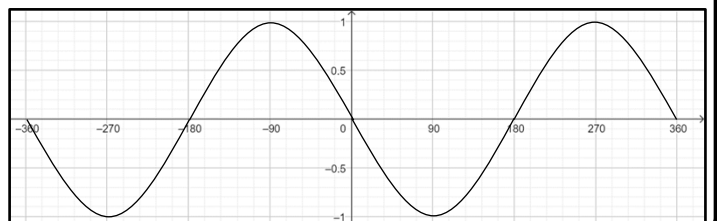
b) Sketch the graph of  $y = \cos(-x)$



a) Sketch the graph of  $y = \cos(x + 60)$



b) Sketch the graph of  $y = -\sin(x)$



## Exam question:

On the grid shown is a sketch of the graph  $y = \cos(x)$   
Sketch the graph of  $y = \cos(x - 45)$

