Pre-Calc and College Prep-Math Take home Test Week 6

Question 1

Complete the tables below: use a calculator but leave answers in two-decimal places.

Table A				Table B	
Angles (x)	y = Sin (x)			Angles (x)	y = Cos (x)
0°		1		0°	
30°		2		30°	
60°		3		60°	
90°		4		90°	
120°		5		120°	
150°		6		150°	
180°		7		180°	
210°		8		210°	
240°		9		240°	
270°		10		270°	
300°		11		300°	
330°		12		330°	
360°		13		360°	
-30°		14		-30°	
-60°		15		-60°	
-90°		16		-90°	
-120°		17		-120°	
-150°		18		-150°	
-180°		19		-180°	
-210°		20		-210°	
-240°		21		-240°	
-270°		22		-270°	
-300°		23		-300°	
-330°		24		-330°	
-360°		25		-360°	

a) What is the minimum value of the range from the table A?_____

b) What is the maximum value of the range from the table A? _____

c) What is the minimum value of the range from the table B?_____

d) What is the maximum value of the range from the table B? _____

Question 2

Use a graph paper to plot each of the points from the table and connect the points with a smooth curve. Plot each table on its on graph paper. Write a summary of your observations of each graph. (**You may need to tape two grid papers to plot all 25 points**)