Trigonometry

Q1. State the two a	ngles between 0º an	d 360° for each of th	ese cosine values.
a. 0.4	b. 0.78	c. 0.438	d. 0.585
e0.361	f0.925	a 0 147	h. 0.784
e0.30 i	10.925	g. 0.147	
Q2 i. Write down the a 135°	e sine of each of the b 269°	se angles. c 305°	d 133°
Q3 ii. Write down the a 129°	e cosine of each of the boundary of the cosine of each of the cosine of each of the cosine of the co	these angles. c 95°	d 357°
Q4. Write down the your answers to one	-	of x (0° < x < 360°)	for each equation. Give
a $\sin x = 0.361$, $x =$		b $\sin x = -0.486$, $x =$	
$c \sin x = 0.874$, $x=$		d $\cos x = 0.874$, $x =$	
Q5. Find two angles such that the sine of each is 0.5. cos 41° = 0.755. What is cos 139°?			
Write down the value of each of the following, correct to three significant figures.			
a sin 50° + cos 50°		b cos 120° – sin 12	.0° =
c sin 114° – sin 210	° =	d cos 123° + sin 17	7° =
Q6. It is suggested suggestion to see if) ² = 1 is true for all va	alues of x. Test out this
Q7. Suppose the sir Show how you could a sin 25° =		lator is broken, but r b sin 130° =	not the cosine key.
Q8. Find a solution	to each of these equ	ations.	
a $\sin(x + 20^\circ) = 0.5$	x=		
b $\cos(5x) = 0.45$	χ=		