Solving Trigonometric Equations

Part One: Finding ALL Solutions

Recall:		functions are		_ therefore there are
	many sol	utions, unless the	is	
ex. Finds	solutions of			
First, find the		angle:		
Since	is	, and	is	in
the	ere will be soluti	ons in	·	
Consideration: if	there is NO		, angles can be	e expressed in either
		or	·	
QI solution:	every	that is	to	is also a

QII solution:

ex. Find	_ solutions of			
First, find the		_ angle:		
Since	is	in		
there will be solutions in				
Do: Find	_ solutions of	·		
First, find tl	ne	_ angle:		
i	is	_ in		

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ex. Solve ______ on _____.

ex. Solve ______ on _____. let *u* =

ex. Solve ______ on _____. let *u* =

MAT123 – Precalculus	Lecture Worksheet		
ex. Solve	on .		

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ex. Solve ______ on _____.

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Using Reciprocals	
ex. Solve	_ on

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 $Solutions\ in\ ALL\ Quadrants$

ex. Solve ______ on _____.