Week 6 SI

1. Find all solutions of the equations on the interval [0, 2π]
	1. $\left(cotx+1\right)\left(cscx-1\right)=0$
	2. $\left(cotx-\sqrt{3}\right)\left(2cosx-\sqrt{2}\right)=0$
	3. $\left(2sinx+\sqrt{2}\right)\left(2cosx-\sqrt{3}\right)=0$
2. Find the values of x in [0, 2π]
	1. $3cot^{2}x-1=0$
	2. $sec^{2}x-2=0$
	3. 4$cos^{2}x-3=0$
3. Find **all** solutions to the equations below
	1. $2cos^{2}x-1=0$
	2. $3tan^{2}x-1=0$
	3. $csc^{2}x-2=0$