7	(a)	Use the result $cos(A+B) = cos A cos B - sin A sin B$ to show that		
		cos	$(A-B) = \cos A \cos B + \sin A \sin B.$	[2
	The	e function $f(\theta)$ is defined as $\cos(\theta + 30^{\circ})\cos(\theta - 30^{\circ})$ , where $\theta$ is in degrees.		
	(b)	Show that $f(\theta) = \cos^2 \theta - \frac{1}{4}$ .		[3
	(c)	(i)	Determine the following.	
			• The <b>maximum</b> value of $f(\theta)$	
			• The smallest <b>positive</b> value of $\theta$ for which this maximum value occurs	[2
		(ii)	Determine the following.	
			• The <b>minimum</b> value of $f(\theta)$	
			• The smallest <b>positive</b> value of $\theta$ for which this minimum value occurs	[2