i) Show it can be written as	
$4\cos^2(\theta) + 4\cos(\theta) + 1 = 0$	[4 marks]

[4 marks]

ii) Find the solutions of this equation, for
$$0 \le x < 2\pi$$
 (radian)

Consider the trigonometric equation $2\cos(2\theta) + 4\cos(\theta) + 2 = -1$