7 (i) Solve the equation $2\cos^2\theta = 3\sin\theta$, for $0^{\circ} \le \theta \le 360^{\circ}$. [4]

(ii) The smallest positive solution of the equation $2\cos^2(n\theta) = 3\sin(n\theta)$, where n is a positive integer, is 10° . State the value of n and hence find the largest solution of this equation in the interval $0^\circ \le \theta \le 360^\circ$.