4 Solve, for $0 \leqslant \theta < \pi,$ to 4 significant figures,

(a) $(\tan\theta - 3)(\tan\theta + 2) = 0$

(3)

(b) $6\cos^2\theta - \sin\theta = 5$

(4)

Question 4 continued

(Total for Question 4 is 7 marks)