

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

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

(3)

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

(4)

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Question 4 continued**(Total for Question 4 is 7 marks)**