



STEP III, 2005, Q11 EC

- 11 This question was rarely attempted. There were a few good solutions, but most could only tackle the first part – distinguishing the two equilibria by their stability (for example by finding the value of $\sin \theta$ and $\cos \theta$ at each) was found difficult, and consequently the last part was inaccessible.



NextStepMaths.com

To view mark schemes, fully worked solutions and examiner's comments, and for more details about tutoring and other services offered, go to [NextStepMaths.com](https://www.NextStepMaths.com)