

STEP III, 2011 Q6 EC

6. This was quite popular, with attempts from three quarters of the candidates, and slightly more success than questions like 2 and 3. Needing to prove three equalities, many got close to doing two well and, with the others splitting half and half between getting close to all three or just one. A small number of candidates made several attempts without always having any sense of direction and often proved a particular pair equal both ways round. The other weaknesses were in dealing with the limits when changing variable and evaluating the definite term (which was zero!) when employing integration by parts.



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