



STEP II, 2006, Q8 EC

- 8 Clearly vectors weren't a popular choice for candidates, as there were very few attempts made at this question. The first six marks, however, are gifts and almost all attemptees gained these. Thereafter, it is simply a case, with (admittedly) increasingly complicated looking position vectors coming into play, of equating \mathbf{a} 's and \mathbf{c} 's in pairs of lines to find out the position vector of the point where they intersect. Candidates' efforts tailed off fairly uniformly as the question progressed, and examiners cannot recall anyone actually getting to the end and finding \mathbf{h} (the p.v. of H) correctly, although there were several attempts that gained all but the final two marks.



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