

STEP III, 2010 Q1 EC

1. This was a very popular question, and the first two parts usually scored full marks. The expression of D in part (iii) caused some problems with inaccurate algebra which then made the last two results unobtainable. Those that simplified D most neatly were in a stronger position to finish the question, though “if and only if” was frequently ignored, or only lip-service was paid to it. Consequently, scores were well-spread.



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