

## STEP III, 2009 Q9 EC

9. The most popular of the three Mechanics questions, being attempted by a sixth of the candidates, it was also the least successful, scoring only a quarter of the marks. Quite a few candidates scored nothing at all, and quite a few got the result in part (i) correctly, although by a variety of approaches, given that the uniform acceleration equations can be combined in numerous ways. However, few made any headway with the trajectory equation for part (ii).



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