Question number	Section	Target	Level of demand
9	14.1	DA	HD

d) What is the time, in seconds, between the skydiver jumping from the plane and opening her parachute?

_____ *1 mark*

e) Explain, in terms of air resistance, why the skydiver decelerates between **C** and **D**.

_____

_____ *2 marks*

f) Another skydiver, with the same mass, jumped from the same plane, at the same time, and opened his parachute at the same time as the first skydiver.

This second skydiver had a parachute with a much larger surface area. Using letters from the graph, describe how his velocity against time graph would be different.
(To gain full marks in this question you should write your ideas in good English. Put them in a sensible order and use the correct scientific words.)

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_____ *6 marks*

Total mark = 17

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