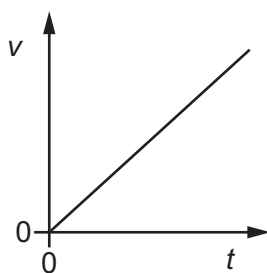
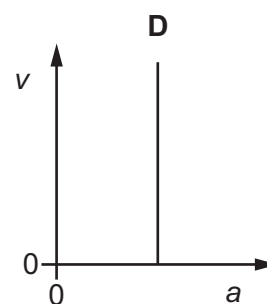
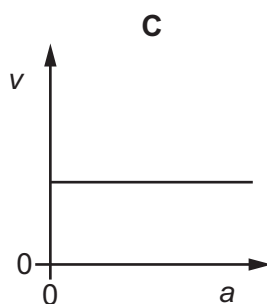
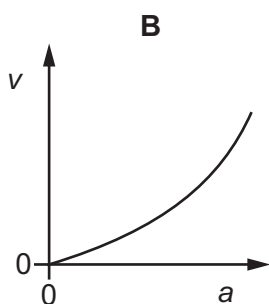
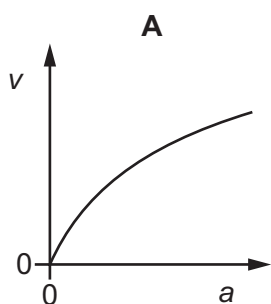


- 5 A particle accelerates from rest.

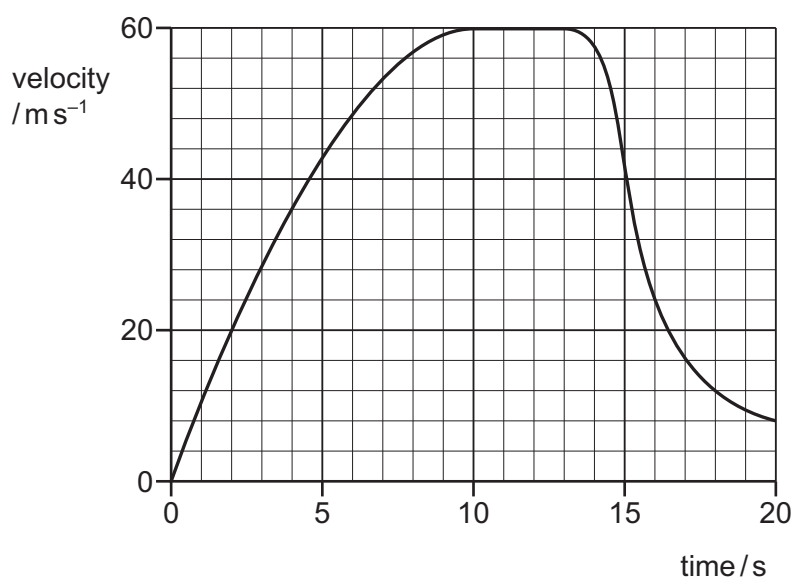
The graph shows the variation of the velocity  $v$  of the particle with time  $t$ .



Which graph shows the variation of the velocity  $v$  with the acceleration  $a$  of the particle?



- 6 The graph shows the vertical velocity of a parachutist during the first 20 s of her jump.



Approximately how far does she fall **before** opening the parachute?

- A** 390 m      **B** 570 m      **C** 710 m      **D** 770 m