

A particle moves in a straight line.

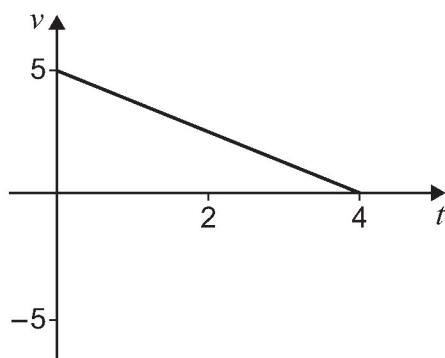
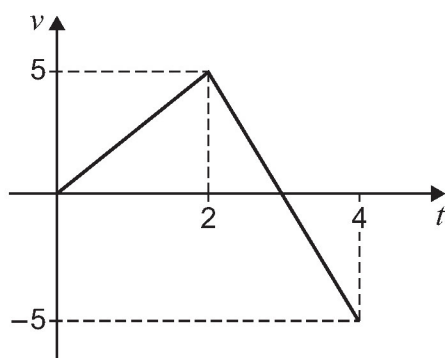
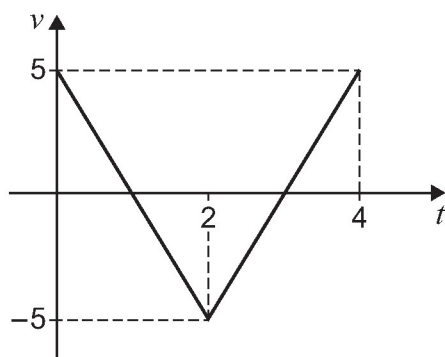
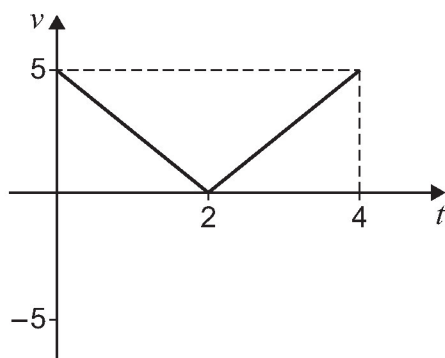
After the first 4 seconds of its motion, the displacement of the particle from its initial position is 0 metres.

One of the graphs on the opposite page shows the velocity $v \text{ m s}^{-1}$ of the particle after time t seconds of its motion.

Identify the correct graph.

Tick (✓) **one** box.

[1 mark]


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