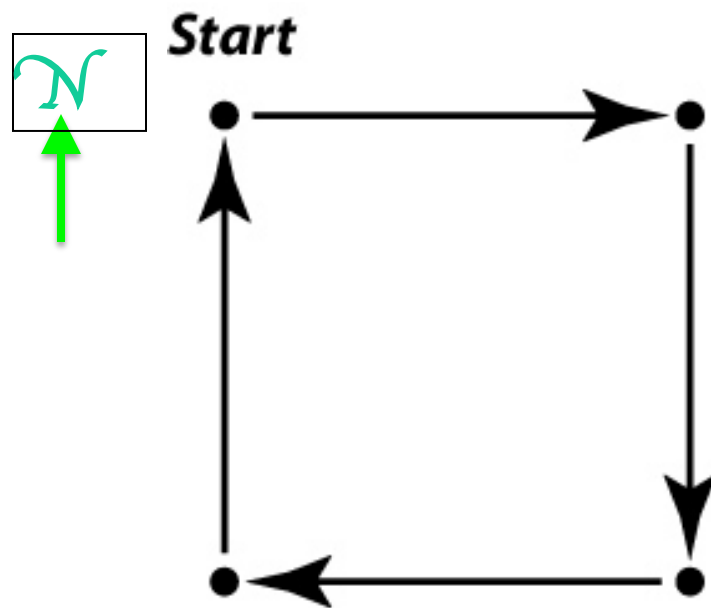The 1D velocity is defined as $v = \dfrac{dx}{dt}$
What is true about this velocity?

A. It is always positive.

B. It is only negative if x is negative.

C. It can be positive or negative but only for positive x.

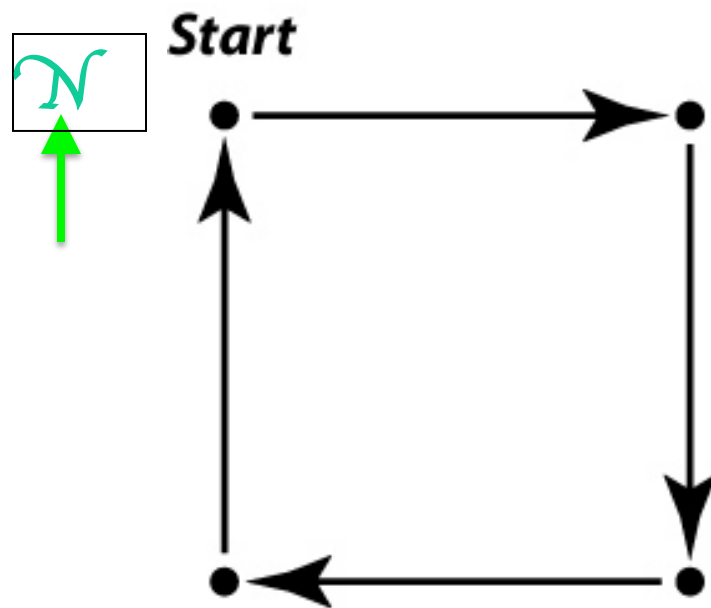D. It can be positive or negative for both positive and negative x.

You have already traveled east in your car 100 km in 1 hr and then south 100 km in 2 hrs. To get back home, you then drive west 100 km for

3 hours and then go north 100 km in 4 hours. You would say your average **velocity** for the total trip was

Start

A. 20 km/hr

B. 40 km/hr

C. 60 km/hr

D. 100 km/hr

E. None of the above

You have already traveled east in your car 100 km in 1 hr and then south 100 km in 2 hrs. To get back home, you then drive west 100 km for

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