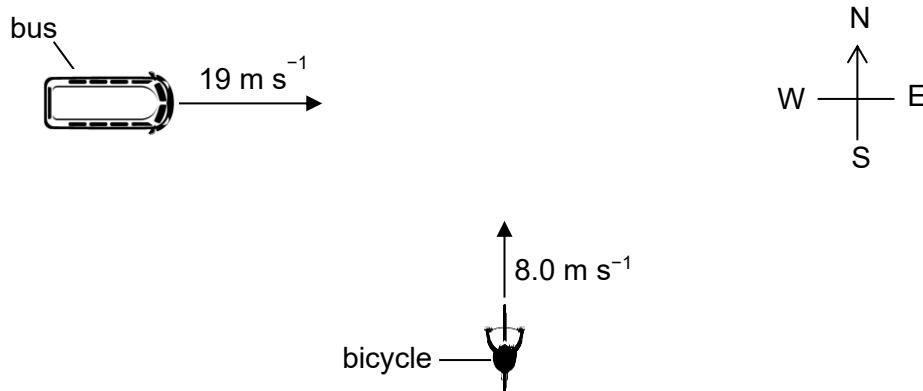


- 1 A bicycle moves at 8.0 m s^{-1} due north. A bus moves at 19 m s^{-1} due east.



At this instant, which arrow represents the velocity of the bicycle relative to the bus?

A



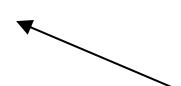
B



C



D



- 2 The graph below shows the variation with time t of a quantity y for a falling object released