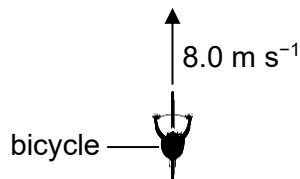
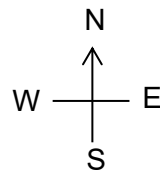
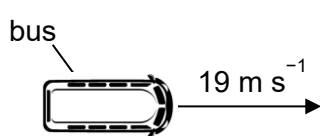
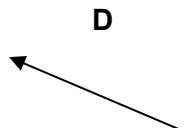
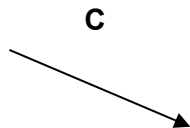
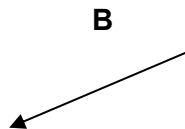
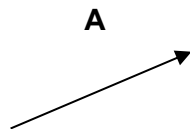


- 1 A bicycle moves at  $8.0 \text{ m s}^{-1}$  due north. A bus moves at  $19 \text{ m s}^{-1}$  due east.



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



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