

Odds/Ends – 300

■ A particle moves along the x -axis so that its velocity at any time $t \geq 0$ is given by $v(t) = -\cos t$. At $t = 0$, the particle is at position 1. The total distance traveled by the particle from $t = 0$ to $t = \pi$

A) 1

B) 2

C) 3

D) 4