TOPIC

Mathematics – Section I – Question 7

QUESTION

The velocity of a body is given by $v(t) = 5e^{-t} + 4$, where t is in seconds and v is in m/s. The time in seconds at which the velocity of the body is 6 m/s most nearly is

(A) 0.1823
(B) 0.3979
(C) 0.9163
(D) 1.609