Example: On a displacement-time graph, two straight lines make angles of 30° and 60° with the time-axis. The ratio of the velocities represented by them is

a) $1 : \sqrt{3}$

b) 1:3

c) $\sqrt{3} : 1$

d) 3:1

{ Hint: The velocity in a displacement-time is given by the slope of the curve. Slope = tan(gent) of angle of inclination of s-t graph. This gives the respective ratios tan 30° / tan 60°

Answer: b) is the correct answer. }