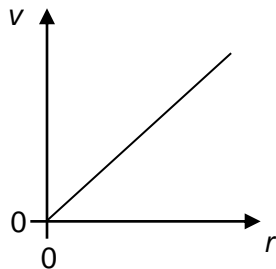


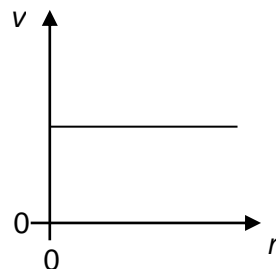
- 9 A record on a turntable rotates at a constant number of revolutions per second.

Which graph best represents the relationship between the linear speed  $v$  of a point on the record and its distance  $r$  from the centre of the rotation?

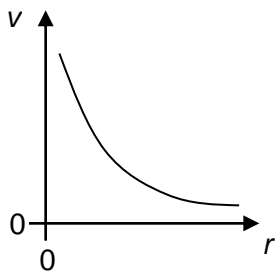
**A**



**B**



**C**



**D**

