

11 The minute hand of a large clock is 3.00 m long.



What is the magnitude of its angular velocity?

- A $1.39 \times 10^{-4} \text{ rad s}^{-1}$
- B $1.75 \times 10^{-3} \text{ rad s}^{-1}$
- C $5.24 \times 10^{-3} \text{ rad s}^{-1}$
- D $1.05 \times 10^{-1} \text{ rad s}^{-1}$

12 Two objects are separated by a distance r . The objects can be considered to be point masses of