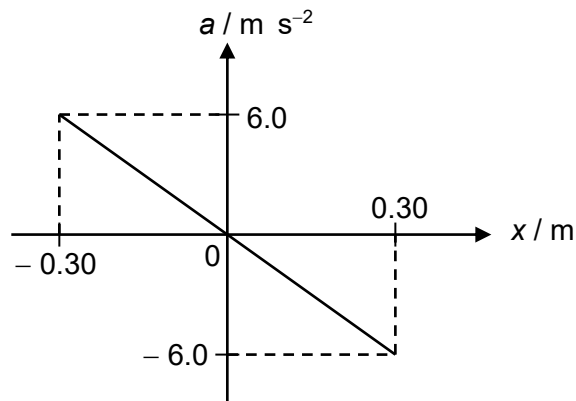


- 13 A particle moves such that its acceleration  $a$  is related to its displacement  $x$  from a fixed point as shown below.



What is its angular frequency?

- A  $0.050 \text{ rad s}^{-1}$
  - B  $1.8 \text{ rad s}^{-1}$
  - C  $4.5 \text{ rad s}^{-1}$
  - D  $20 \text{ rad s}^{-1}$
- 14 A progressive longitudinal sound wave moves through air. P, Q, R, S and T are the