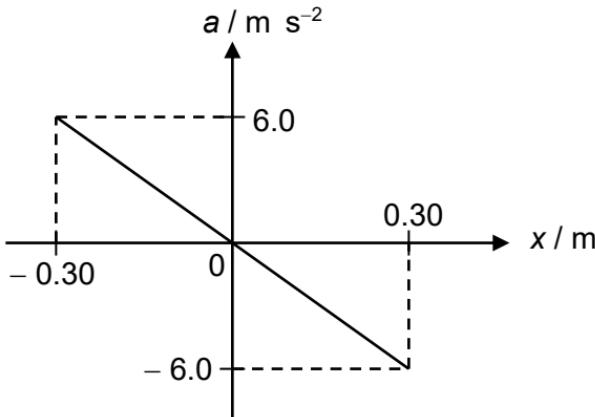


- 13 A particle moves such that its acceleration  $a$  is related to its displacement  $x$  from a fixed point as shown below.



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