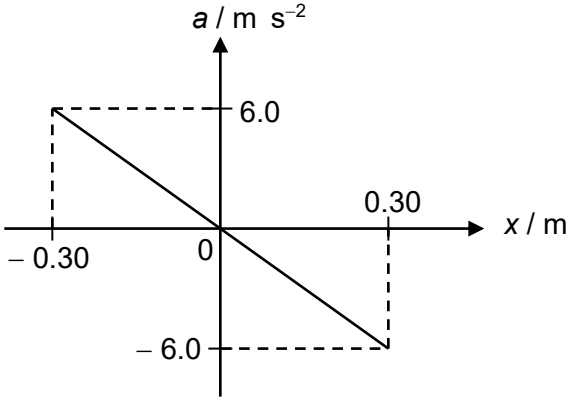
13 A particle moves such that its acceleration a is related to its displacement x from a fixed point as shown below.



What is its angular frequency?

A 0.050 rad s^{-1}

B 1.8 rad s^{-1}

C 4.5 rad s^{-1}

D 20 rad s^{-1}