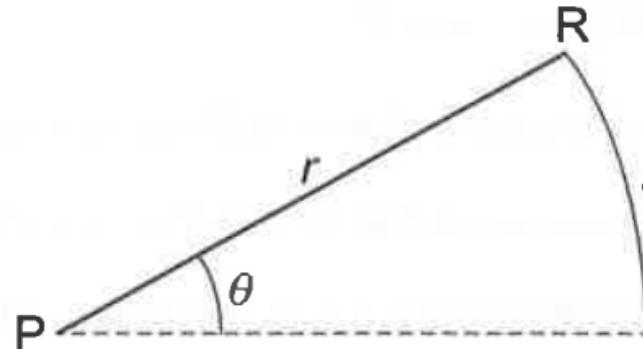


12 A rod PR of length r is turned about the point P through an angle θ .



The end R of the rod moves through a distance s along the arc of the circle of radius r . Both s and r are measured in metres.

What is the angle θ , expressed in radians?

A s/r

B $360s/2\pi r$

C r/s

D $2\pi r/360s$

13 Satellites are in circular orbits around different planets.