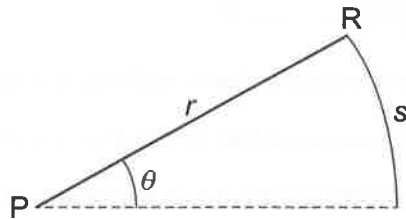**12** A rod PR of length r is turned about the point P through an angle θ.

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 $2\pi r/360s$