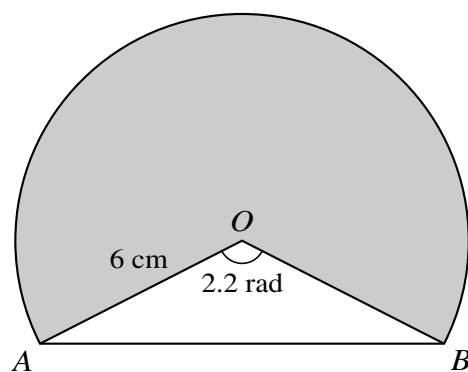


3



The diagram shows part of a circle with centre O and radius 6 cm . The chord AB is such that angle $AOB = 2.2$ radians. Calculate

- (i) the perimeter of the shaded region, [3]
- (ii) the ratio of the area of the shaded region to the area of the triangle AOB , giving your answer in the form $k : 1$. [3]