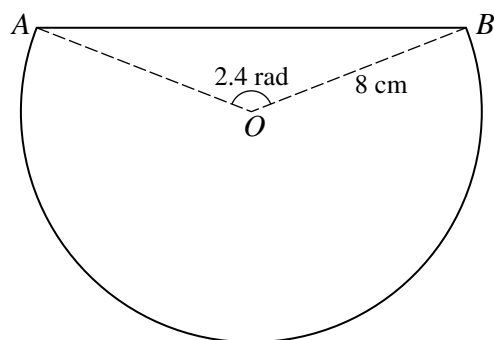


6



The diagram shows a metal plate made by removing a segment from a circle with centre O and radius 8 cm. The line AB is a chord of the circle and angle $AOB = 2.4$ radians. Find

- (i) the length of AB , [2]
- (ii) the perimeter of the plate, [3]
- (iii) the area of the plate. [3]