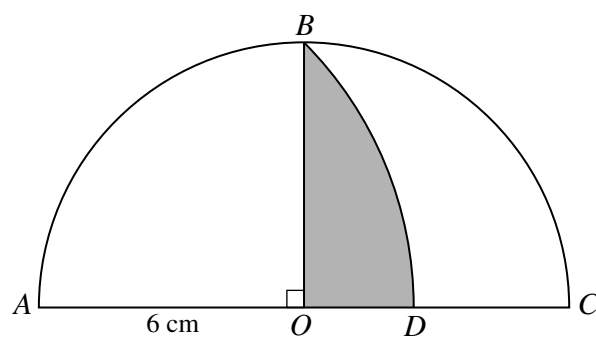


5



The diagram shows a semicircle ABC with centre O and radius 6 cm . The point B is such that angle BOA is 90° and BD is an arc of a circle with centre A . Find

(i) the length of the arc BD , [4]

(ii) the area of the shaded region. [3]