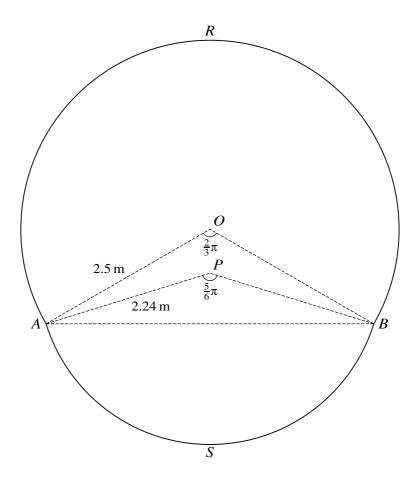
(a)



The diagram shows a cross-section RASB of the body of an aircraft. The cross-section consists of a sector OARB of a circle of radius 2.5 m, with centre O, a sector PASB of another circle of radius 2.24 m with centre P and a quadrilateral OAPB. Angle $AOB = \frac{2}{3}\pi$ and angle $APB = \frac{5}{6}\pi$.

Find the perimeter of the cross-section <i>RASB</i> , giving your answer correct to 2 decimal places. [3]

(b)	Find the difference in area of the two triangles <i>AOB</i> and <i>APB</i> , giving your answer correct to 2 decimal places. [2
(c)	Find the area of the cross-section <i>RASB</i> , giving your answer correct to 1 decimal place. [3