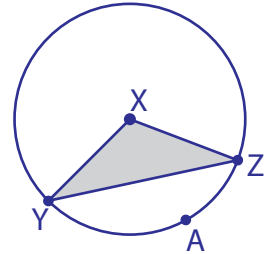


Area of a segment

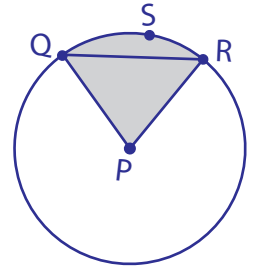
Sheet 1

Round the answers to two decimal places.

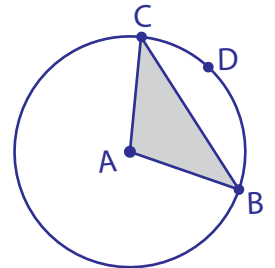
- 1) The area of the segment of a circle is 15 ft^2 and if the sector formed has central angle 112° and radius 5.4 ft . Find the area of the triangle.



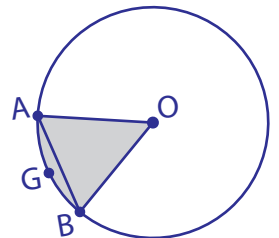
- 2) The triangle has base of 12 in and height 8 in and the area of a segment so formed is 17 in^2 . Find the area of the sector.



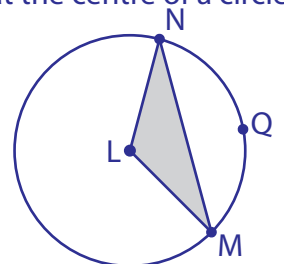
- 3) If the area of a segment made by the chord is 32 yd^2 with the sector formed has a central angle 102° and radius 9 yd , then find the area of a triangle.



- 4) The triangle has base and height of 19 in and 18 in respectively and the area of a segment so formed is 24 in^2 . Find the area of the sector.



- 5) Find the area of a triangle if the segment made by the chord which subtends 120° at the centre of a circle of radius 15 ft has the area 138 ft^2 .



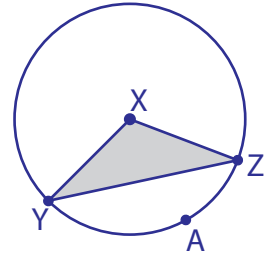
Area of a segment

Sheet 1

Round the answers to two decimal places.

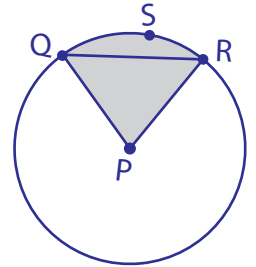
- 1) The area of the segment of a circle is 15 ft^2 and if the sector formed has central angle 112° and radius 5.4 ft . Find the area of the triangle.

13.49 ft^2



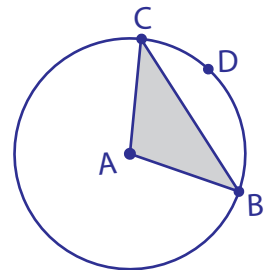
- 2) The triangle has base of 12 in and height 8 in and the area of a segment so formed is 17 in^2 . Find the area of the sector.

65 in^2



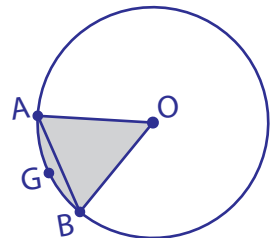
- 3) If the area of a segment made by the chord is 32 yd^2 with the sector formed has a central angle 102° and radius 9 yd , then find the area of a triangle.

40.06 yd^2



- 4) The triangle has base and height of 19 in and 18 in respectively and the area of a segment so formed is 24 in^2 . Find the area of the sector.

195 in^2



- 5) Find the area of a triangle if the segment made by the chord which subtends 120° at the centre of a circle of radius 15 ft has the area 138 ft^2 .

97.5 ft^2

