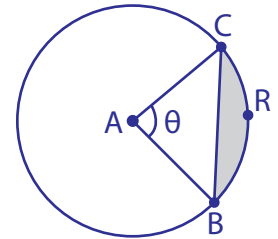


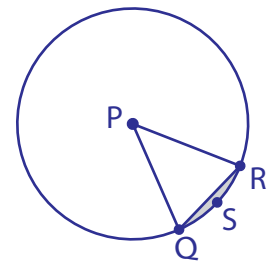
Area of a segment

Round the answers to two decimal places.

- 1) Find the area of the shaded portion for the below given measurements, $r = 29$ yd, $b = 40$ yd, $h = 21$ yd and $\theta = 87^\circ$.



- 2) Calculate the area of the given segment of chord length 10 ft whose distance from the centre is 12 ft. The sector has radius 13 ft and central angle 45° .



- 3) Find the area of a segment with radius 17 in.

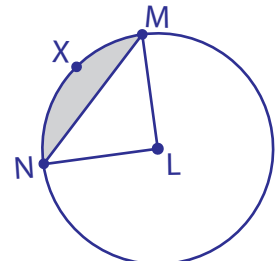
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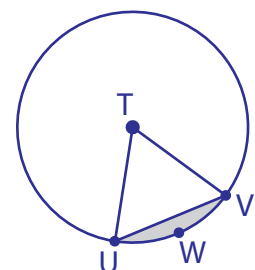
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the centre of the circle



- 4) A chord forms an equilateral triangle with the center. Find the area of the shaded area.

8 yd. Find the



- 5) A segment of a circle in which $\overline{BC} = 23$ ft, $\angle A = 100^\circ$, $\overline{AC} = 15$ ft and $\overline{AM} = 9.6$ ft. Find the area of the shaded portion.

