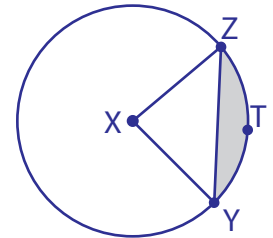


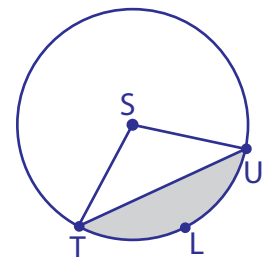
Area of a segment

Round the answers to two decimal places.

- 1) A chord drawn on the circle is of length 16.2 in with central angle 85° at the centre of the circle of radius 12 in. Find the area of the shaded segment.



- 2) Find the area of the segment of a circle whose radius is 17 ft and central angle is 105° . The base of a triangle is 26.97 ft.



- 3) Find the area of the segment

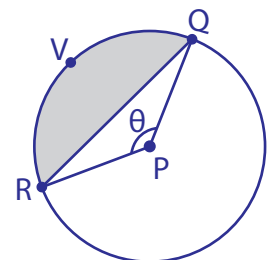
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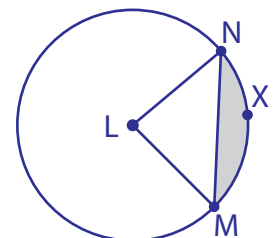
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10 yd.



- 4) Find the area of a segment whose height is 7 in and radius

height is 7 in and radius



- 5) Find the area of a segment made by the chord whose measures are $\angle A = 120^\circ$, $\overline{AB} = 7$ ft and $\overline{AM} = 3.5$ ft.

