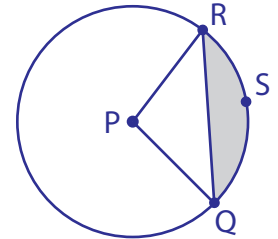


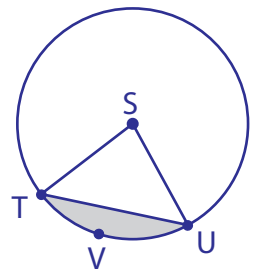
Area of a segment

Round the answers to two decimal places.

- 1) A chord of a circle is of length 32 ft having a central angle of 98° with radius 21 ft. Find the area of the shaded segment.



- 2) Find the area of the segment whose central angle is 80° , radius is 22 yd and base is 28 yd.



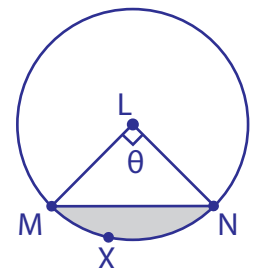
- 3) In the given figure, $\theta = 90^\circ$ and radius is 10 cm. Find the area of the shaded segment.

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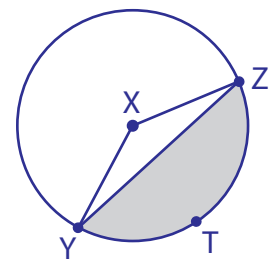
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- 4) A chord drawn on the circle of a circle is 12 cm. The distance from the center of the circle to the chord is 5 cm. Find the area of the shaded segment.



- 5) In the given figure, $\angle A = 45^\circ$, $\overline{AB} = 15$ yd and $\overline{AM} = 14$ yd. Find the shaded area.

