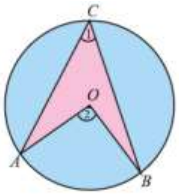
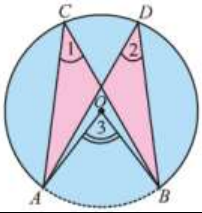
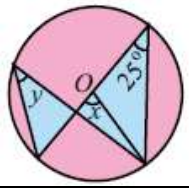
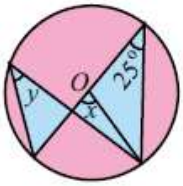
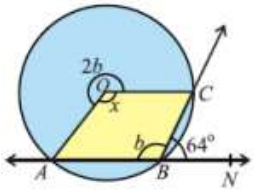
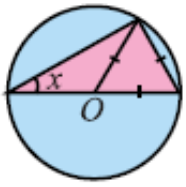
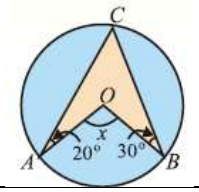
Unit 12 Angle In a Segment of a Circle

1	A circle passes through the vertices of right angled $\triangle ABC$, with $m\overline{AC} = 3cm, m\overline{BC} = 4cm, m\angle C = 90^\circ$. Radius of circle is	$1.5\ cm$	$2.0\ cm$	$3.5\ cm$	✓$2.5\ cm$
2	In adjacent circular figure, central and inscribed angles stand on the same arc $\widehat{AB}$, then 	$m\angle 1 = m\angle 2$	$m\angle 1 = 2m\angle 2$	$m\angle 2 = 3m\angle 1$	✓$m\angle 2 = 2m\angle 1$
3	In the adjacent figure if $m\angle 3 = 75^\circ$, then $m\angle 1$ and $m\angle 2$. 	$75^\circ, 37\frac{1}{2}^\circ$	✓$37\frac{1}{2}^\circ, 37\frac{1}{2}^\circ$	$37\frac{1}{2}^\circ, 75^\circ$	$75^\circ, 75^\circ$
4	Give that O is center of circle. The angle marked x will be 	$12\frac{1}{2}^\circ$	25°	✓50°	75°
5	Give that O is center of circle. The angle marked y will be 	$12\frac{1}{2}^\circ$	✓25°	50°	75°
6	In the figure, O is center of the circle and $\overleftrightarrow{ABN}$ is a straight line. The obtobtuse angle $AOC = x^\circ$ is 	32°	64°	96°	✓128°
7	In the figure, O is center of the circle, then the angle x is 	55°	110°	220°	✓125°
8	In the figure, O is center of the circle, then the angle x is 	15°	✓30°	45°	60°
9	In the figure, O is center of the circle, then the angle x is 	15°	30°	45°	✓60°

10	In the figure, O is center of the circle, then the angle x is		50°	75°	✓100°	125°