Q: What is radius of a circle if $4\ cm$ long chord subtends central angle of 60°?
If $4\ cm$ long chord subtends a central angle of 60°, then radius of circle is also $4\ cm$.

Q: What will be central angle if length of chord and radial segment of a circle are congruent?
If the length of chord and radial segment of a circle are congruent, then central angle will be equal to 60°.

Q: An arc subtends a central able of 40° then what will be the angle subtended by corresponding chord?
If an arc subtends a central angle of 40°, then the angle subtended by the corresponding chord will also be 40°.

Q: What central angle is subtended by semi circumference and the diameter?
The semi circumference and the diameter of a circle both subtend a central angle of 180°.