Applications 6.1 & 6.2 Chords, Tangents, Secants

The next figure suggests a way to remember some of the properties of angles and arcs in circles. Note that the sizes of the angles decrease from left to right and that O is the circle's center. The following arcs and angles are shown in the figure:



Given arcs:
$$\widehat{mAB} = 120^{\circ}$$
 and $\widehat{mCD} = 80^{\circ}$

Central angle:

Angle formed by 2 chords :

Inscribed angle:

Angle formed by two secants :



Problem 3Given: Diameter $\overline{AB} \perp \overline{CE}$ at D(6.2 - #20)Prove: CD is the geometric mean of AD and DB.

d) *m∠A*

