Geometry Notes 10.3 Apply Properties of Chords

Recall:	A chord is a segment with endpoints on a circle. Any chord divides the circle into two arcs.	major arc chord minor arc
congruent if	circle, or in congruent circles, two minor arcs are and only if their corresponding chords are congruent. if and only if≅	B C A D
first chord	d is a perpendicular bisector of another chord, then the is a diameter. Derpendicular bisector of \overline{TR} , then	s p a
the chord at $\overline{-}$ If \overline{EG} is the	er of a circle is perpendicular to a chord, then it bisects nd its arc. = $=$ $=$ $=$ $=e diameter and EG \perp DF, then=$ and $=$ $=$ $=$ $=$ $=$	E F D G
if and only i	circle, or in congruent circles, two chords are congruent f they are equidistant from the center. if and only if≅	A F B D

Name _____

