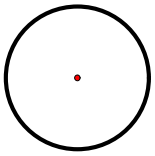
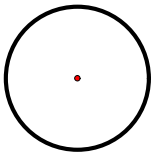
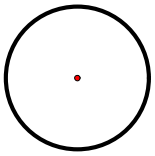
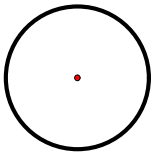
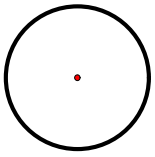
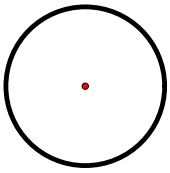
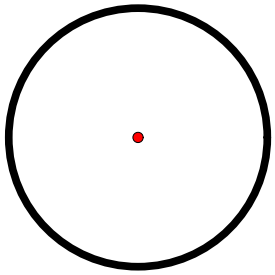
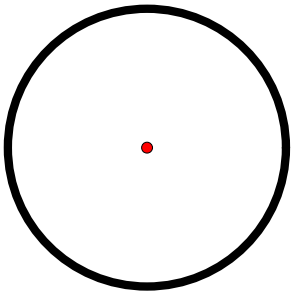
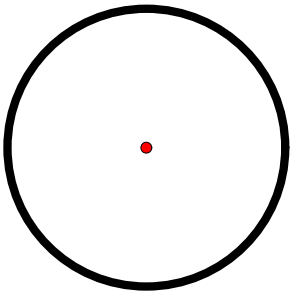
Name: _____ Date: _____

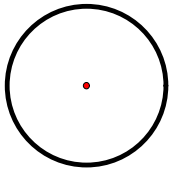
Vocabulary, Central Angles & Inscribed Angles

Circle	set of all points equidistant from a given point called the center	
Chord	a segment whose endpoints are on the circle	
Diameter	distance across the circle through its center	
Radius	distance from the center to point on circle	
Secant	a line that intersects the circle at exactly TWO points	
Tangent **Point of Tangency**	a line that intersects the circle exactly ONE time where the tangent line intersects the circle	

Major Arc	Semicircle	Minor Arc
		

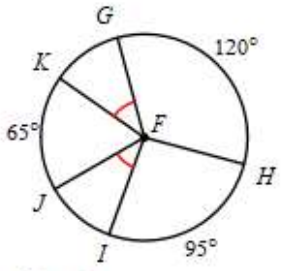
BASIC REVIEW:

- A circle has 360 degrees
- A semicircle has 180 degrees
- Vertical angles are equal
- Linear pairs are supplementary

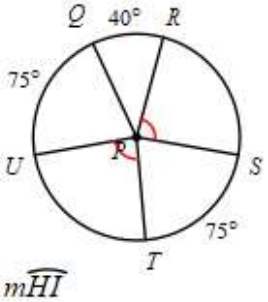
Central Angles	An angle whose vertex is at the **center** of the circle	

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

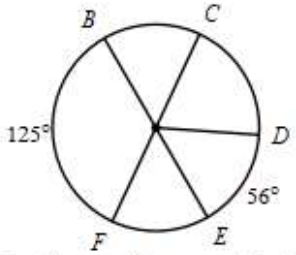
1) $m\angle IFK$



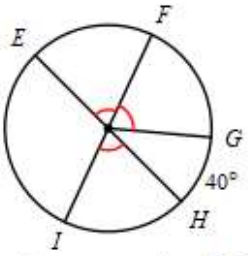
2) $m\angle RPS$



3) $m\widehat{FBD}$

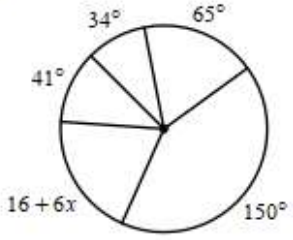


4) $m\widehat{HI}$

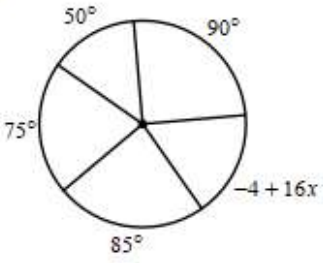


Solve for x. Assume that lines which appear to be diameters are actual diameters.

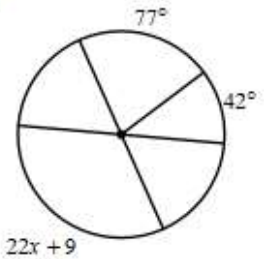
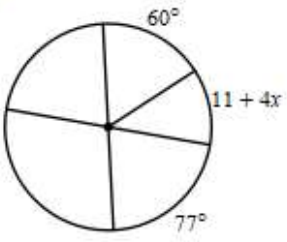
5)



6)



7)



8)