

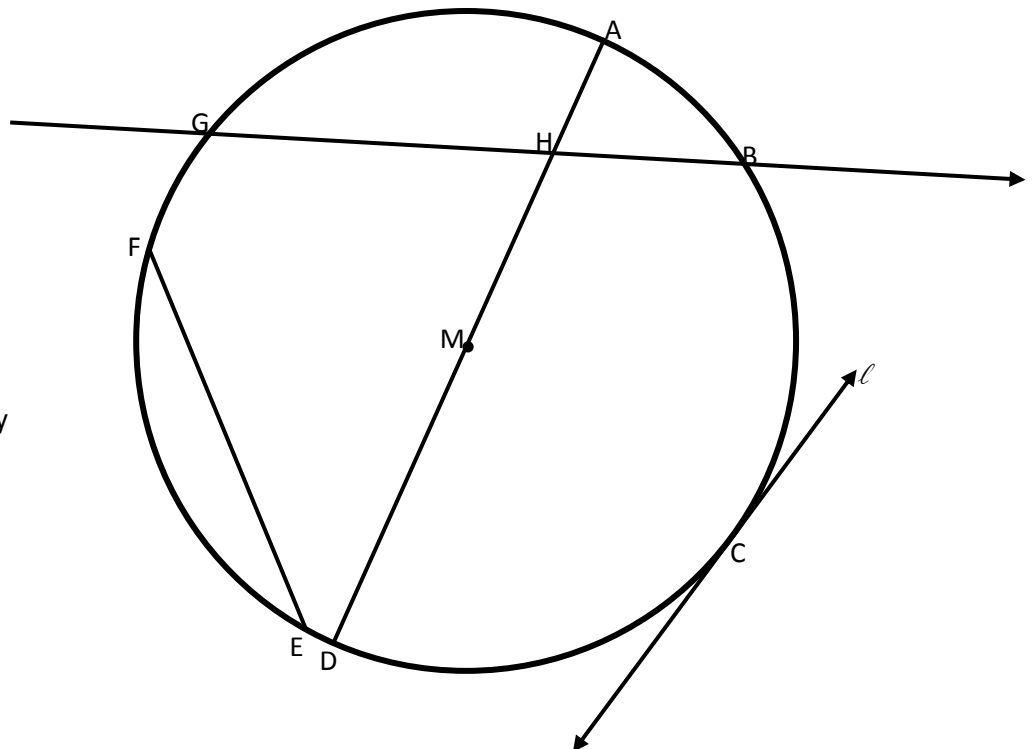
Vocabulary of a Circle

Match the term with the appropriate definition.

Terms	Definitions
_____ 1. Center	a) A line that intersects a circle at 2 points
_____ 2. Diameter	b) A segment that passes through the center and whose endpoints are on the circle.
_____ 3. Radius	c) A line that intersects a circle at exactly one point.
_____ 4. Tangent	d) A segment whose endpoints lie on the circle.
_____ 5. Chord	e) The point inside the circle that is equidistant to every point on the circle.
_____ 6. Secant	f) A segment whose endpoints are the center of the circle and a point on the circle.
_____ 7. Arc	g) An unbroken part of a circle consisting of 2 points on the circle (called endpoints) and all points on the circle between them. [notation: \widehat{AB}]

Give an example of each of the following from the diagram at the right.

- _____ 1. Center
- _____ 2. Diameter
- _____ 3. Radius
- _____ 4. Tangent
- _____ 5. Chord
- _____ 6. Secant
- _____ 7. Arc
- _____ 8. Point of tangency



1. Sketch circle M with secant \overline{AB}
2. Sketch circle N with diameter 14cm. What is the length of the radius?
3. Sketch circle S with tangent \overline{LN} where L is the point of tangency. How would you describe \overline{SL} ?
4. Sketch circle L with two chords, \overline{AB} and \overline{CD} that intersect at point X .
5. Sketch circle O with chord \overline{KL} . Highlight KL on the circle.