

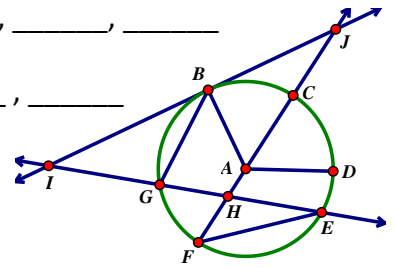
1. Using the diagram to the right, name objects that meet the description.

a. Chords _____, _____, _____, _____

b. Radii _____, _____, _____, _____

c. Central \angle _____, _____, _____

d. Exterior Points _____, _____



2. Jeff wonders if radii and diameters of circles are chords. Are they? Explain.

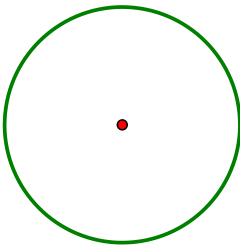
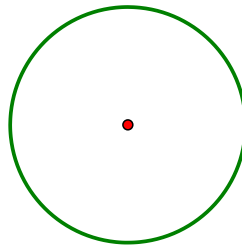
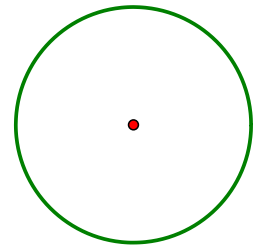
3. A textbook had the following true and false question.

Two radii always form a diameter. T or F The answer is false.

a) Can you find the counter example to this statement to establish it be false.

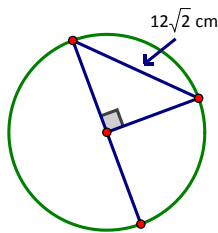
b) Most of students put true. What makes this statement confusing?

4. Draw the following relationships.

a) Tangent line \overleftrightarrow{GE} has a point of tangency at Point F on Circle M.b) Secant line \overleftrightarrow{HT} intersects tangent line \overleftrightarrow{JT} on Circle R.c) Radius \overline{AB} intersects tangent line \overleftrightarrow{GE} on circle A.

5. Solve for the radius of the circle below.

r = _____



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- A diagram of a circle with a green outline. The center is marked with a red dot and labeled C . Three points on the circumference are marked with red dots and labeled A , B , and D . Point A is at the bottom, point B is at the top right, and point D is at the top.

8. Given Circle B with diameters \overline{HC} , \overline{EG} and \overline{DA} .

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10. Given the regular octagon below, determine:

- $$\begin{aligned} m\widehat{ED} &= \\ m\angle GKH &= \\ m\widehat{ABD} &= \\ m\angle AKB &= \end{aligned}$$

