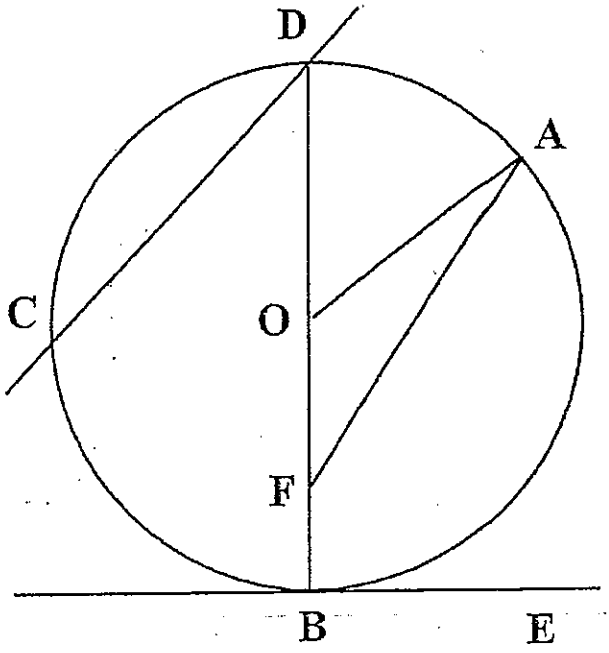
Name: _____ Date: _____ Period: ____

Classroom Practice

Exercises 1–10 refer to $\odot O$ (circle with center O) in the diagram.

1. Name all the radii shown.
2. Name a secant shown.
3. Is $\overleftrightarrow{CD}$ a chord?
4. Is $\overline{CD}$ a chord?
5. Explain why $\overline{AF}$ is not a chord.
6. Name
7. Is $\overline{BD}$ a chord? a diameter?
8. Name
9. How many diameters that contain point C can be drawn? that contain point O?
10. How many secants containing both A and C can be drawn?



Name _____

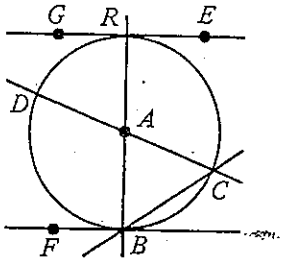
Written Exercises

Exercises 1–10 refer to $\odot A$. Name each of the following.

A

1. A circle
2. Four radii
3. Two diameters
4.

5. A chord that that is not a diameter
6. Two secants, each containing a diameter
7. A secant that does not contain a diameter
8. Two points of tangency



10. How many chords containing both point R and point C can be drawn?

The length of a radius is given. Find the length of a diameter.

11. 19
12. 5.3
13. $7\frac{1}{2}$
14. $3k$

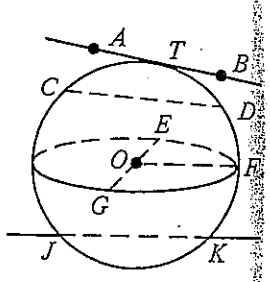
The length of a diameter is given. Find the length of a radius.

15. 26
16. 2.4
17. $8\frac{1}{2}$
18. $5k$

Refer to the diagram of the sphere with center O. Name each of the following.

B

19. Eight points on the sphere
20. Three radii of the sphere
21. A diameter of the sphere
22. Three chords of the sphere
23. A secant of the sphere



25. Write a definition of a diameter of a sphere.
26. Write a definition of a chord of a sphere.