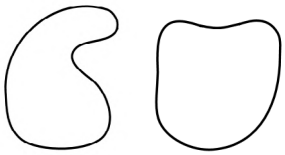
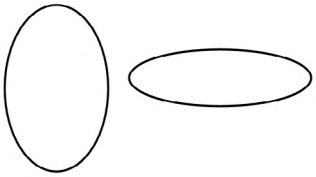
Circles

These figures are round, but they are not circles.



These are ovals. They are symmetric and round, but they are still not circles. Why not?

What makes a circle?

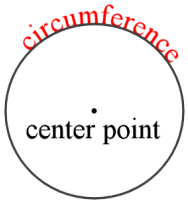


The difference between other round figures and circles is this:

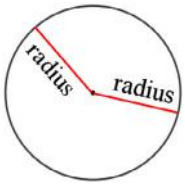
In a circle, the distance from the **center point** to the actual circle line, or **circumference of the circle**, remains the same.

This distance is called the **radius** of the circle.

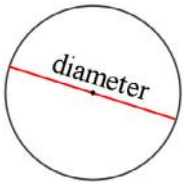
In other words, all the points on the circumference are **at the same distance from the center point**.



The distance from the center point to any point on the circumference is called the **radius**.

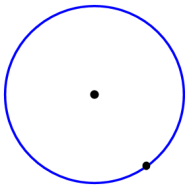


A line through the center point is called a **diameter**.

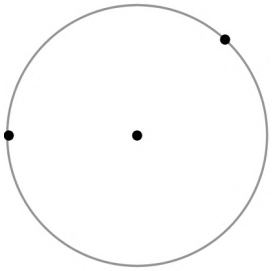


1. Draw a radius or a diameter from the given point. Use a ruler. Look at the example.

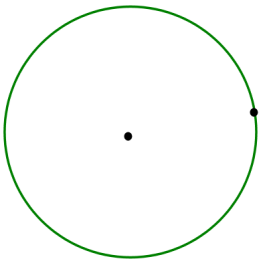
Here, a radius is drawn from the given point.



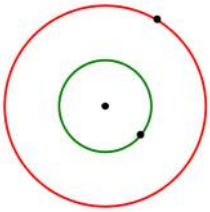
a. Draw a radius from the given point.



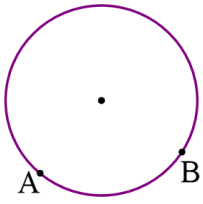
b. Draw a radius from each of the given points.



c. Draw a diameter from the given point.



d. Draw a diameter for the smaller circle and a diameter for the bigger circle from the given points.



e. Draw a radius from the point A and a diameter from the point B.