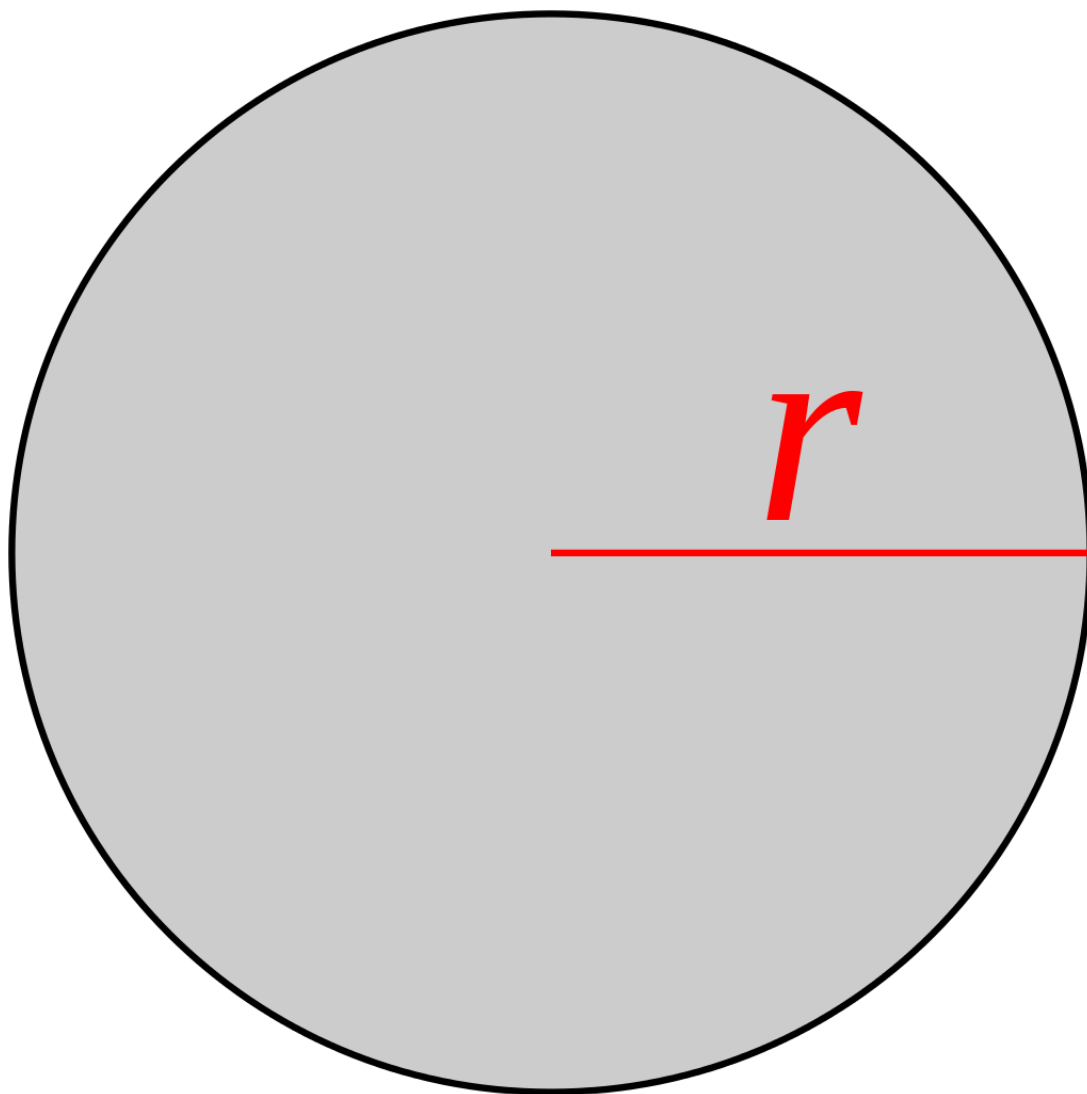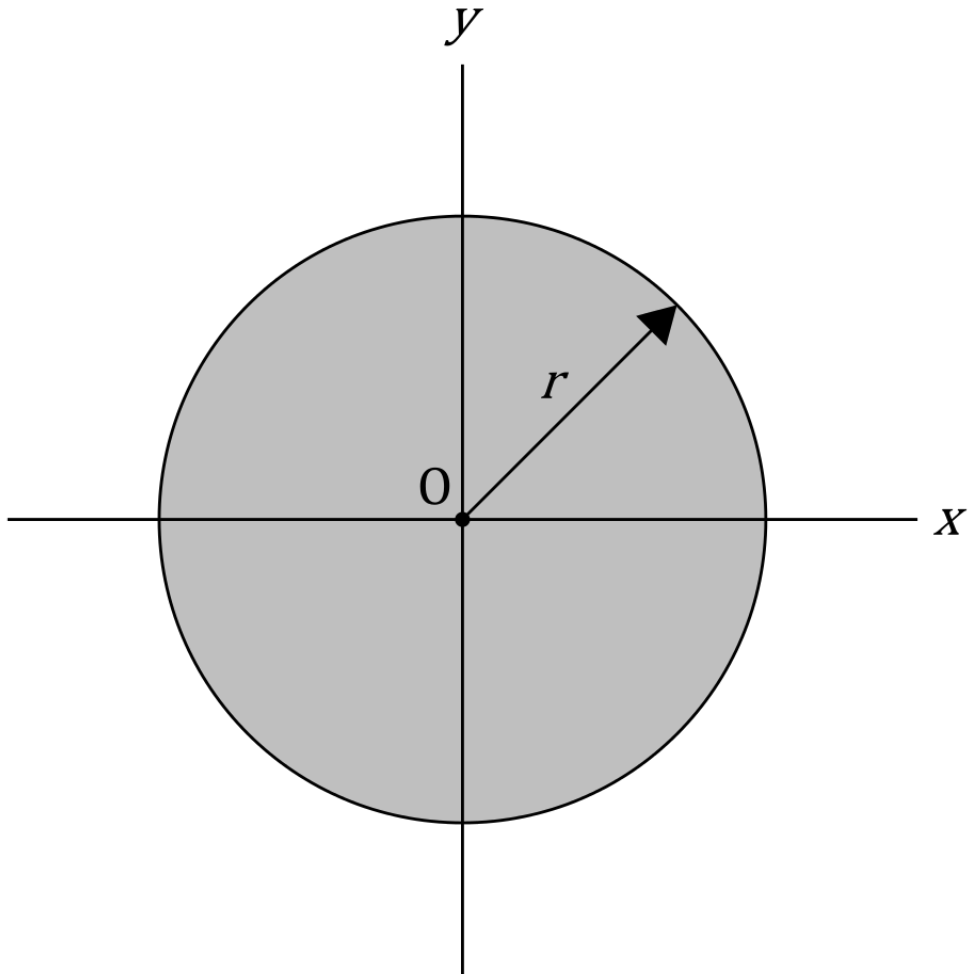**Defination:-** A circle is a shape with all points the same distance from its center. A circle is named by its center. Thus, the circle to the right is called circle A since its center is at point A. Some real world examples of a circle are a wheel, a dinner plate and (the surface of) a coin.

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Area of Circle:-

Area= πr²

Radius of Circle:-

The Radius is the distance from the center to the edge.

Diameter of Circle:-

The Diameter starts at one side of the circle, goes through the center and ends on the other side.

　　Diameter = 2 × Radius

Circumference of Circle:-

The Circumference is the distance around the edge of the circle.

Circumference = 2 × π × Radius

Where:

👉Radius is the shortest word

👉Diameter is longer (and is 2 × Radius)

👉Circumference is the longest (and is π × Diameter)