2D SHAPES

A PLANE GEOMETRY







C CIRCLES

Definition **Circle**

A circle is every point on the edge as same distance from the center.

The **radius** is a line segment from the center to a point of the circle. The radius is also the length of this segment. The **diameter** is a line segment that goes across the circle through the center, connecting two points on the circle. The diameter is also the length of this segment.



Proposition Diameter-Radius Rule _

• The diameter is twice the radius: $d = 2 \times r$.



• The radius is half the diameter: $r = d \div 2$



