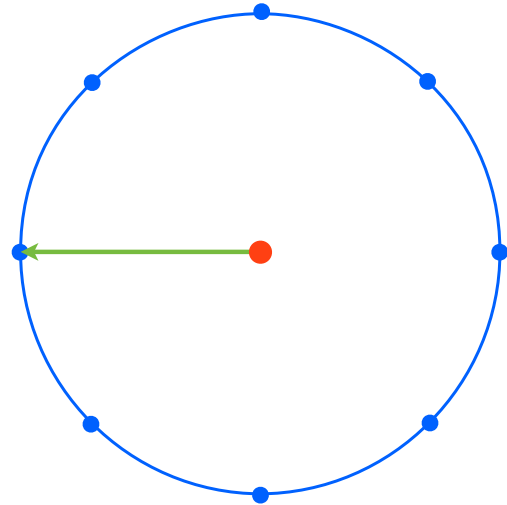


What is a Circle?

Circle - the set of all points that are the same **distance** from a **given point**.

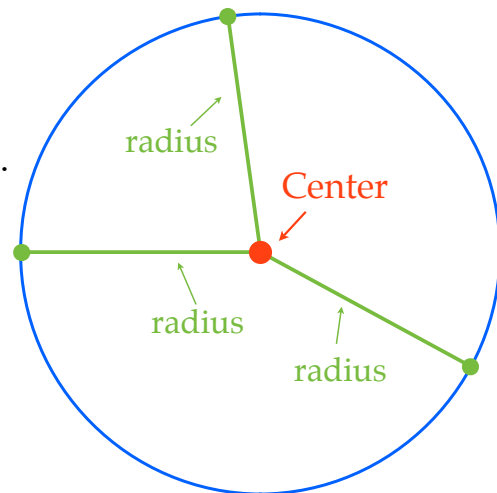


What is a Circle?

Circle - the set of all points that are the same **distance** from a **given point**.

The **given point** is called the **center** of the **circle**.

The **radius** of a **circle** is the segment with one endpoint at the **center** and the other point on the **circle**.



What is a Circle?

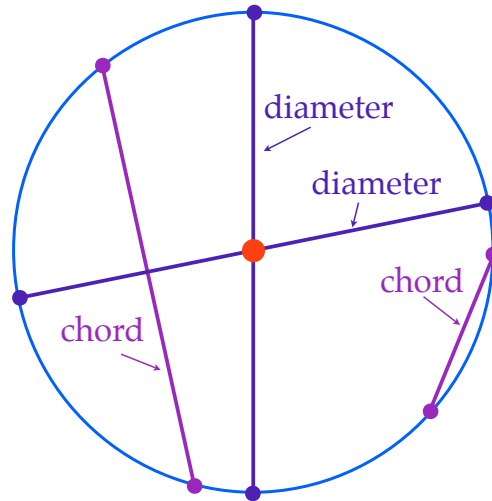
Circle - the set of all points that are the same distance from a given point.

The given point is called the center of the circle.

The radius of a circle is the segment with one endpoint at the center and the other point on the circle.

A chord of a circle is a segment whose endpoints are on the circle.

A diameter of a circle is a chord that goes through the center of the circle.



What is a Circle?

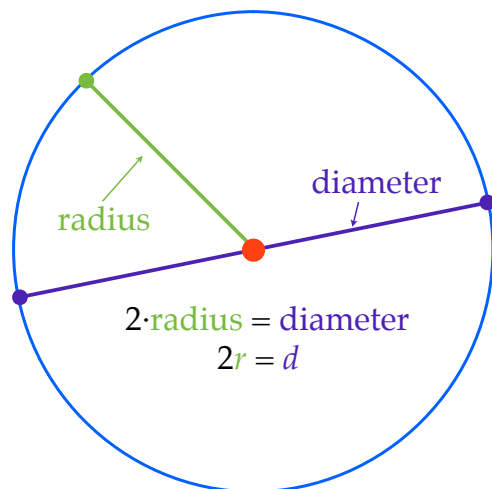
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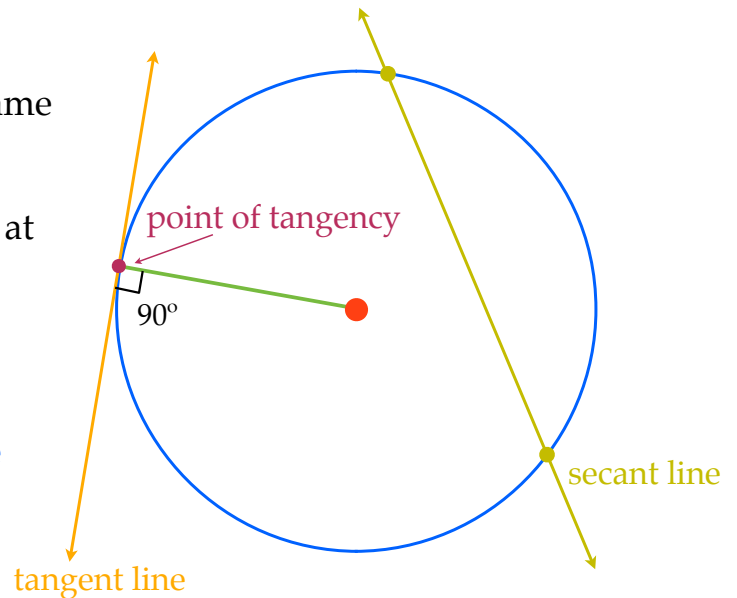
What is a Circle?

Circle - the set of all points that are the same distance from a given point.

A **secant** is a line that intersects the circle at two points.

A **tangent line** is a line that intersects the circle at one point.

The **point of intersection** between a circle and the tangent line is called the **point of tangency**.



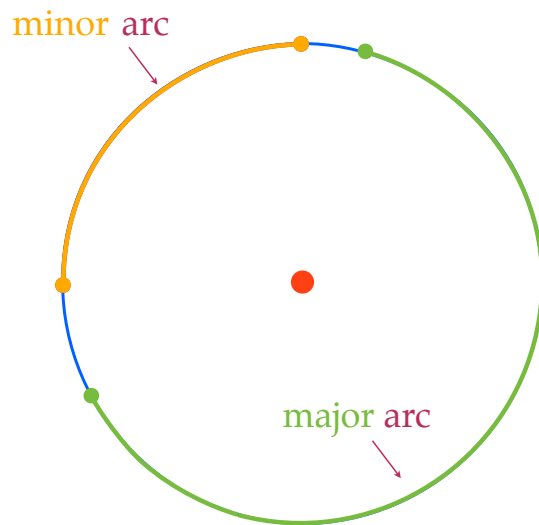
What is a Circle?

Circle - the set of all points that are the same distance from a given point.

An **arc** is an unbroken piece of a circle.

A **minor arc** is an arc that is less than a semicircle.

A **major arc** is an arc that is greater than a semicircle.

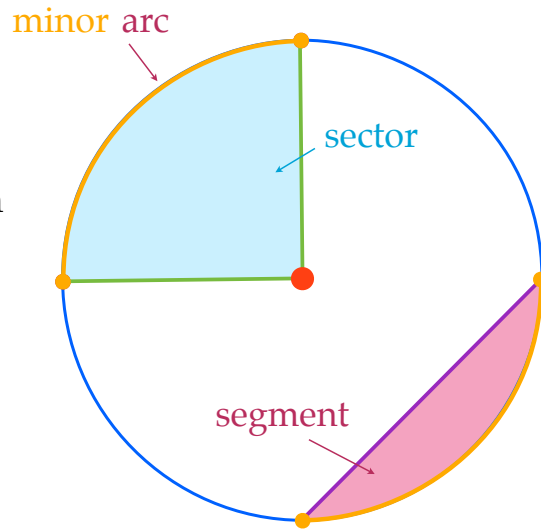


What is a Circle?

Circle - the set of all points that are the same distance from a given point.

A **sector** of a circle is the area bounded by an arc and two radii to the arc's endpoints.

A **segment** of a circle is the area bounded by an arc and the chord joining the arc's endpoints.

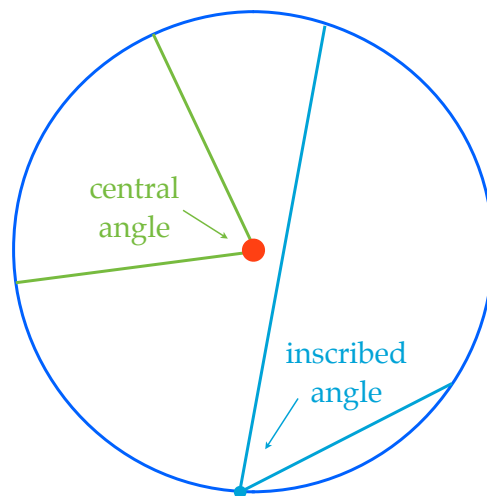


What is a Circle?

Circle - the set of all points that are the same distance from a given point.

A **central angle** is an angle whose vertex is at the center of the circle.

An **inscribed angle** is an angle whose vertex is on the circle.



What is a Circle?

Circle - the set of all points that are the same **distance** from a **given point**.

Inscribed - a **circle** is “**inscribed**” in a polygon if the **sides** of the polygon are **tangent** to the **circle**.

Circumscribed - a **circle** is “**circumscribed**” about a polygon if the **vertices** of the polygon are on the **circle**.

