

THE VOCABULARY OF CIRCLES

Unit 4A: Angle Relationships of Circles

SYMBOLS AND NOTATIONS

Segment AB \overline{AB}

Line AB \overleftrightarrow{AB}

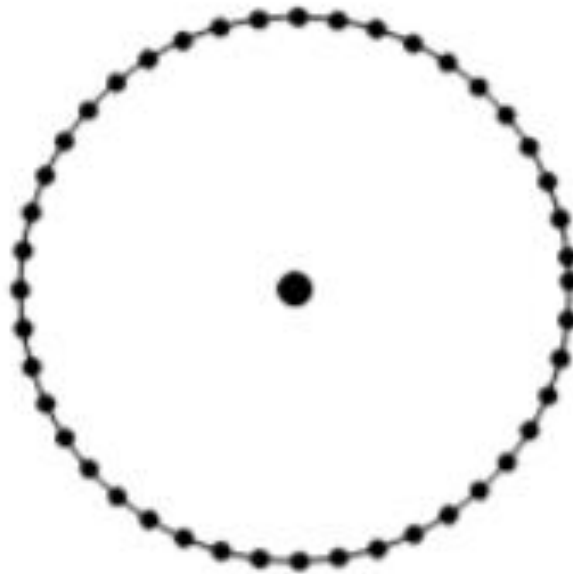
Point C C

Arc AB \widehat{AB}

Arc ABC \widehat{ABC}

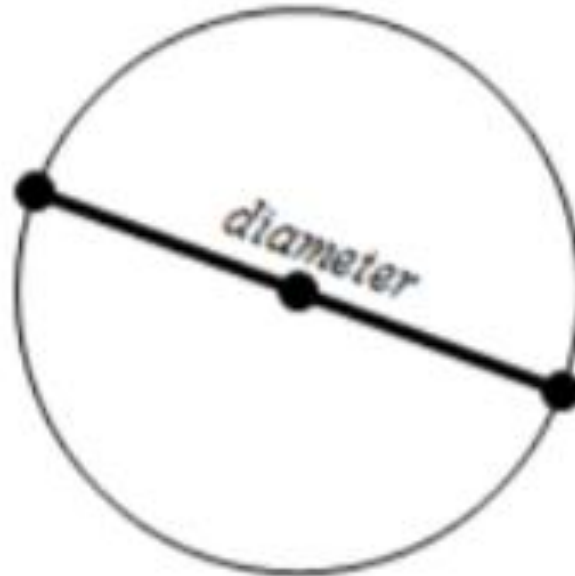
CIRCLE

Circle: The set of points in a plane that are fixed distance from a given point called the center of the circle.



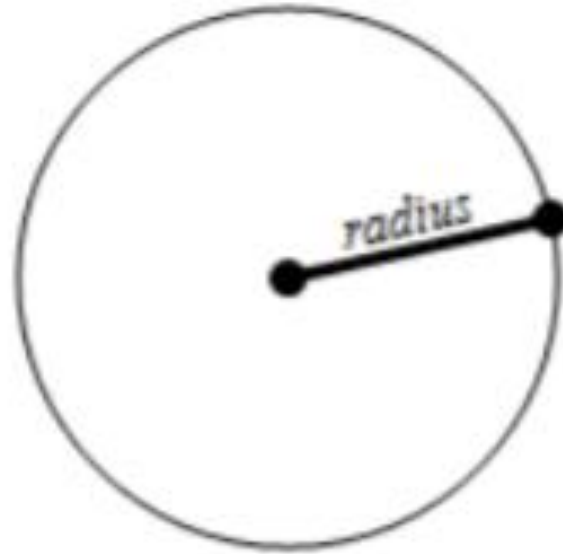
DIAMETER

Diameter: A segment that has endpoints on a circle and that passes through the center of the circle.

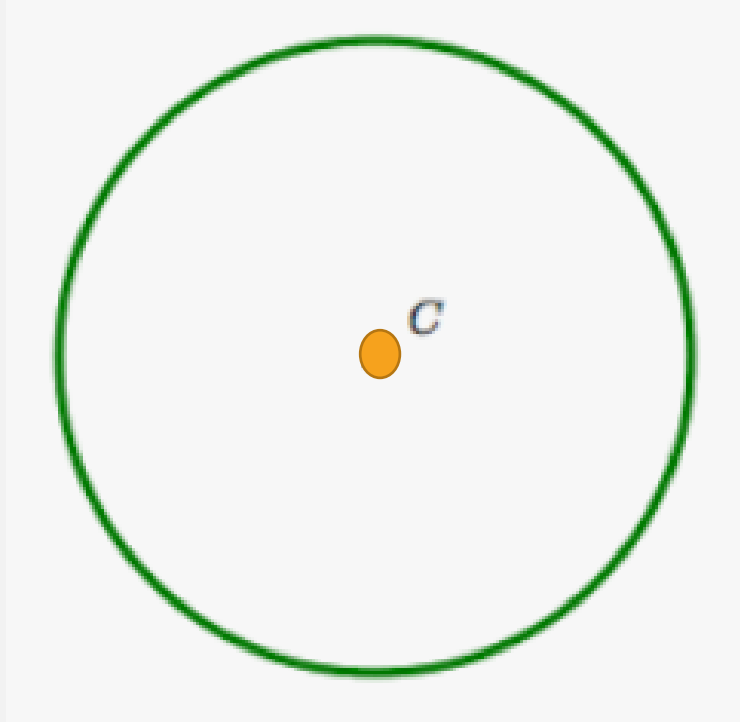


RADIUS

Radius: A segment whose endpoints are the center of a circle and a point on the circle.



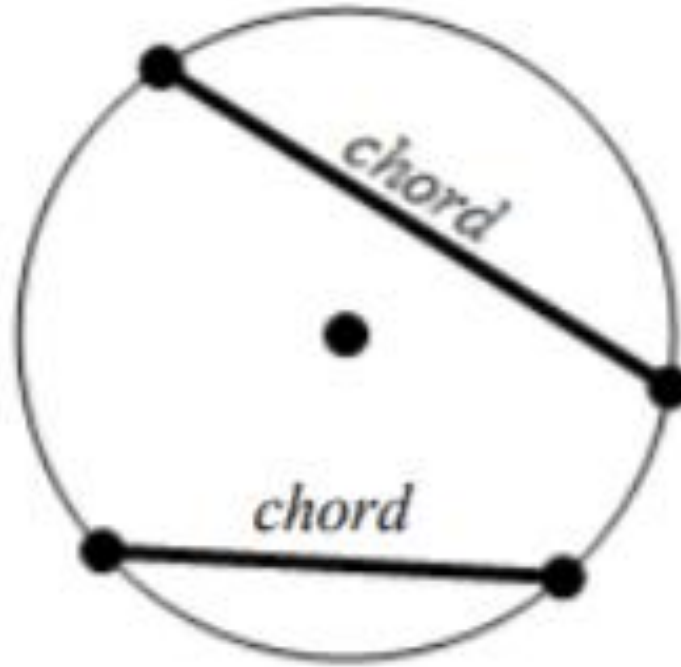
CENTER



The given point from which all points on a circle are the same distance.

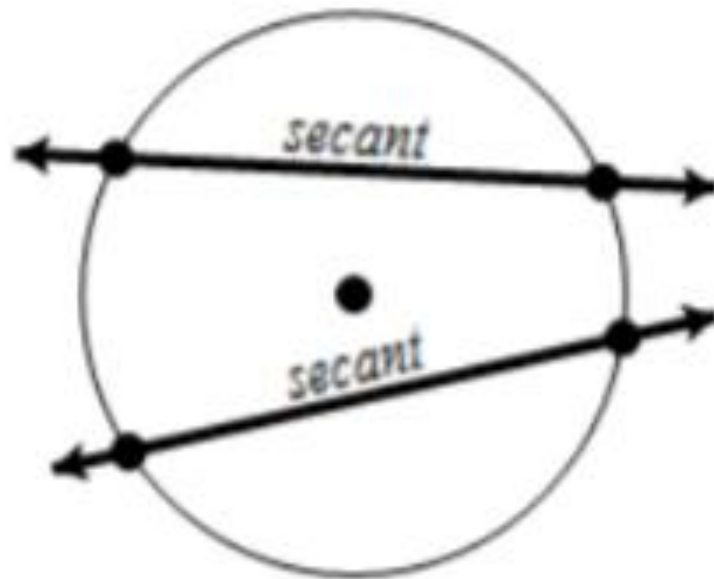
CHORD

Chord: A segment whose endpoints both lie on the same circle.



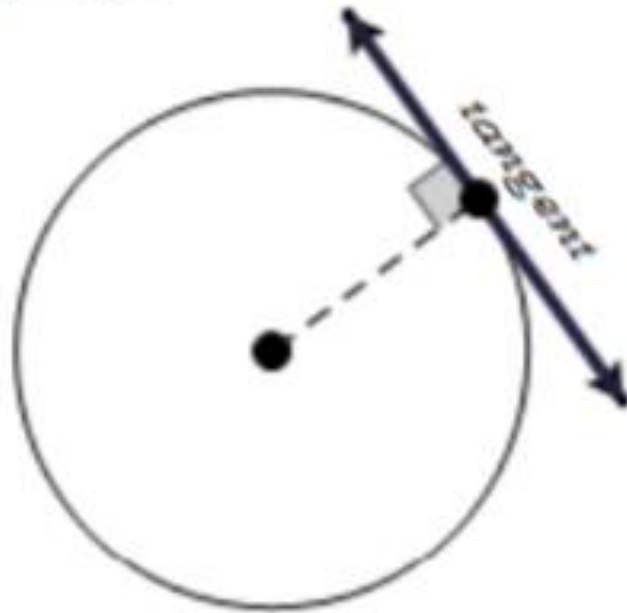
SECANT

Secant: A line that intersects a circle at two points.

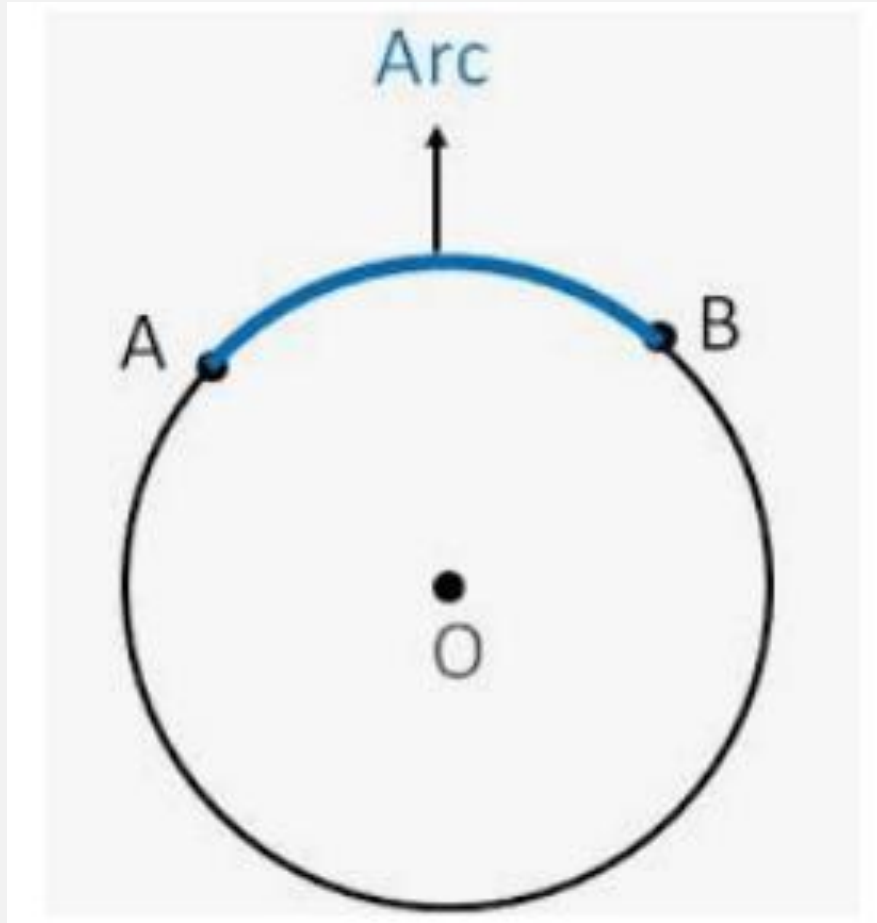


TANGENT

Tangent: A line that is in the same plane as a circle and intersects the circle at exactly one point. The radius is perpendicular to the tangent at the point of tangency.

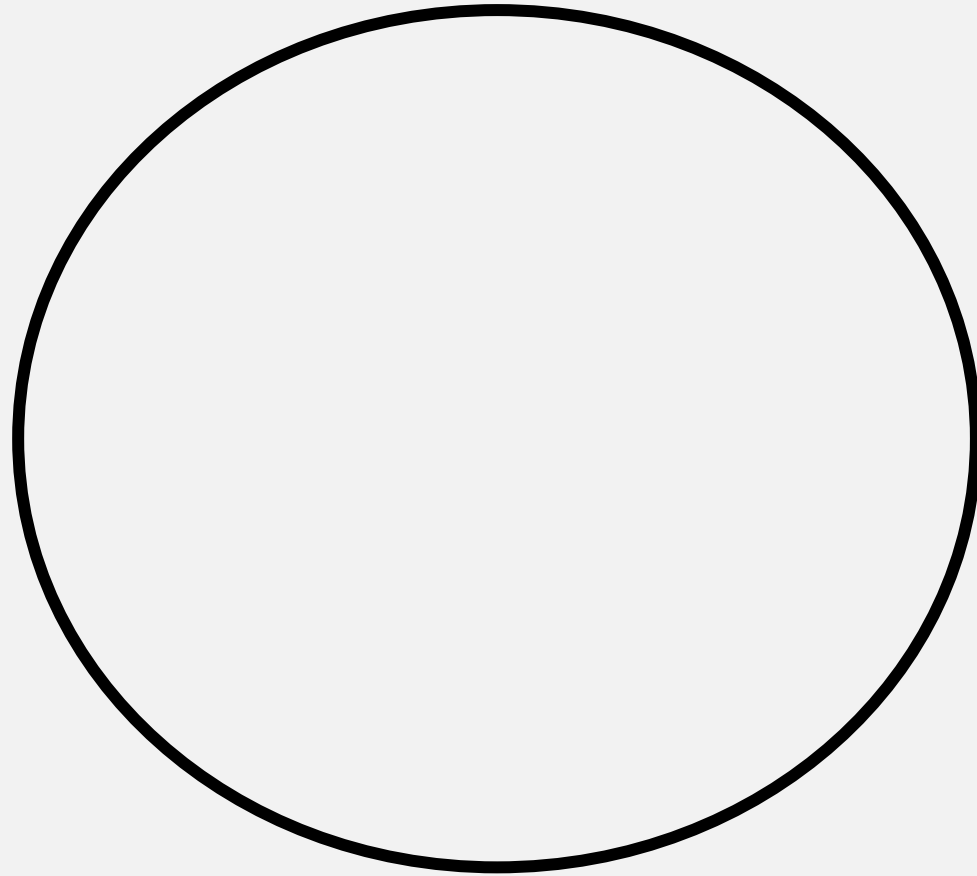


ARC



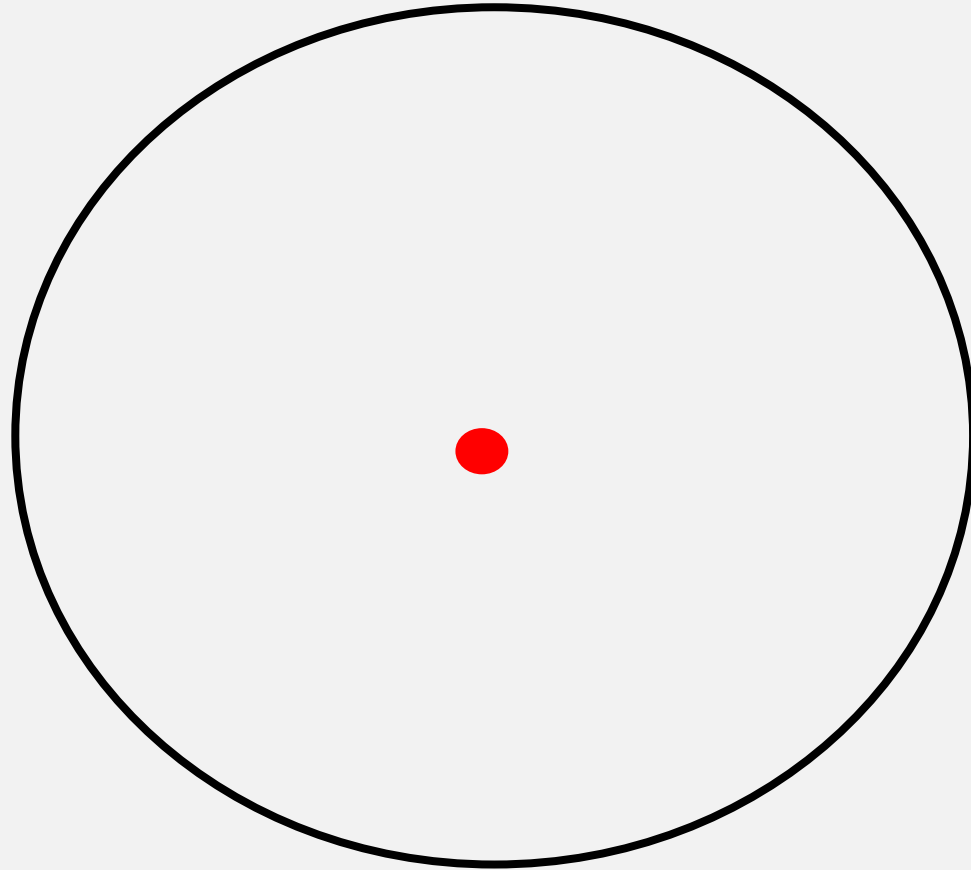
A connected section of the circumference of a circle.

FILL IN THE PARTS OF THE CIRCLE.



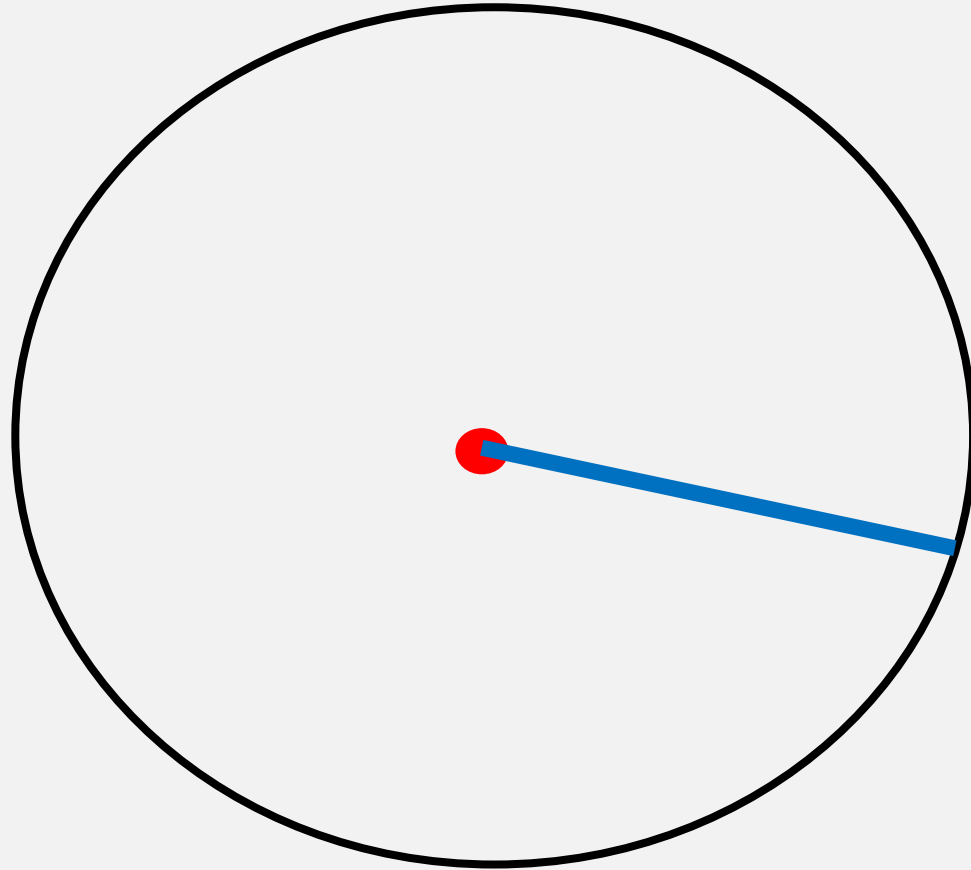
Draw a black circle.

FILL IN THE PARTS OF THE CIRCLE.



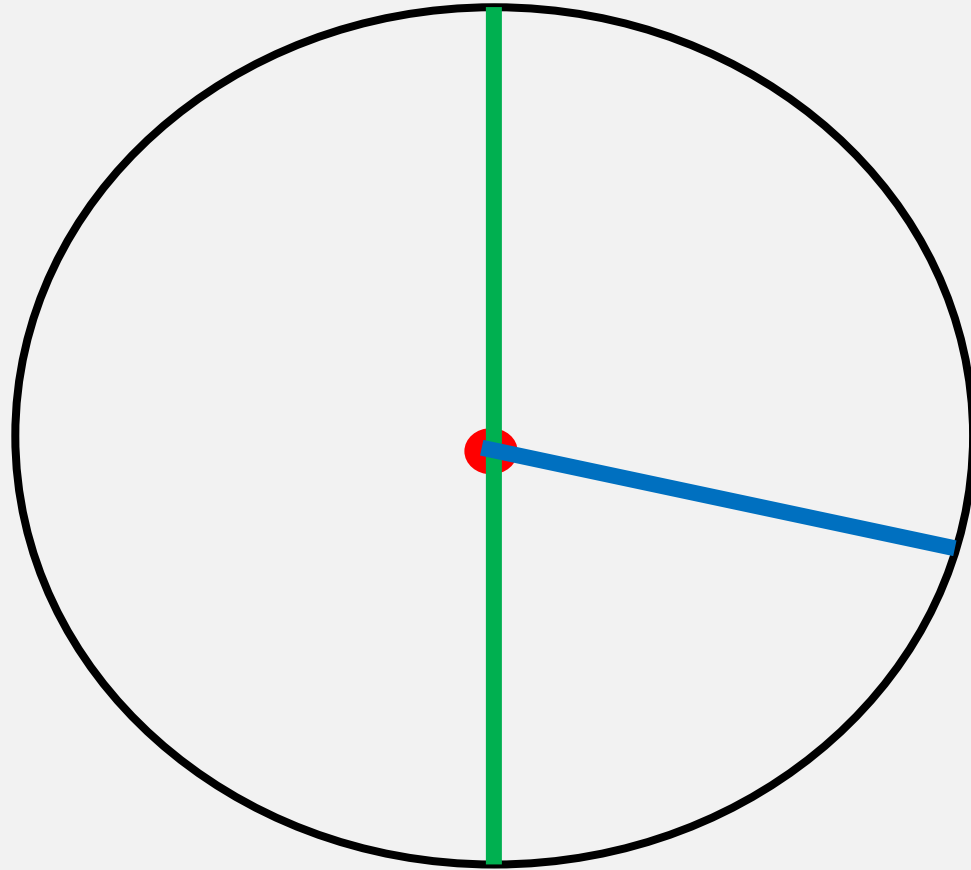
Draw a red center.

FILL IN THE PARTS OF THE CIRCLE.



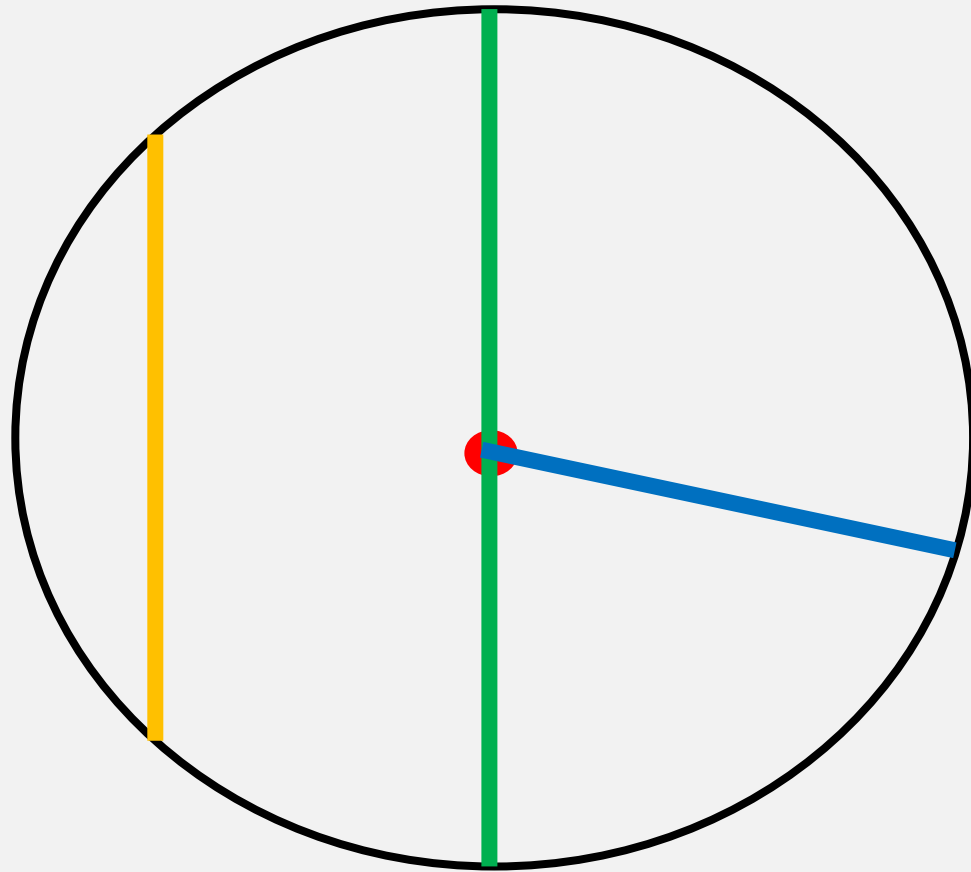
Draw a blue radius.

FILL IN THE PARTS OF THE CIRCLE.



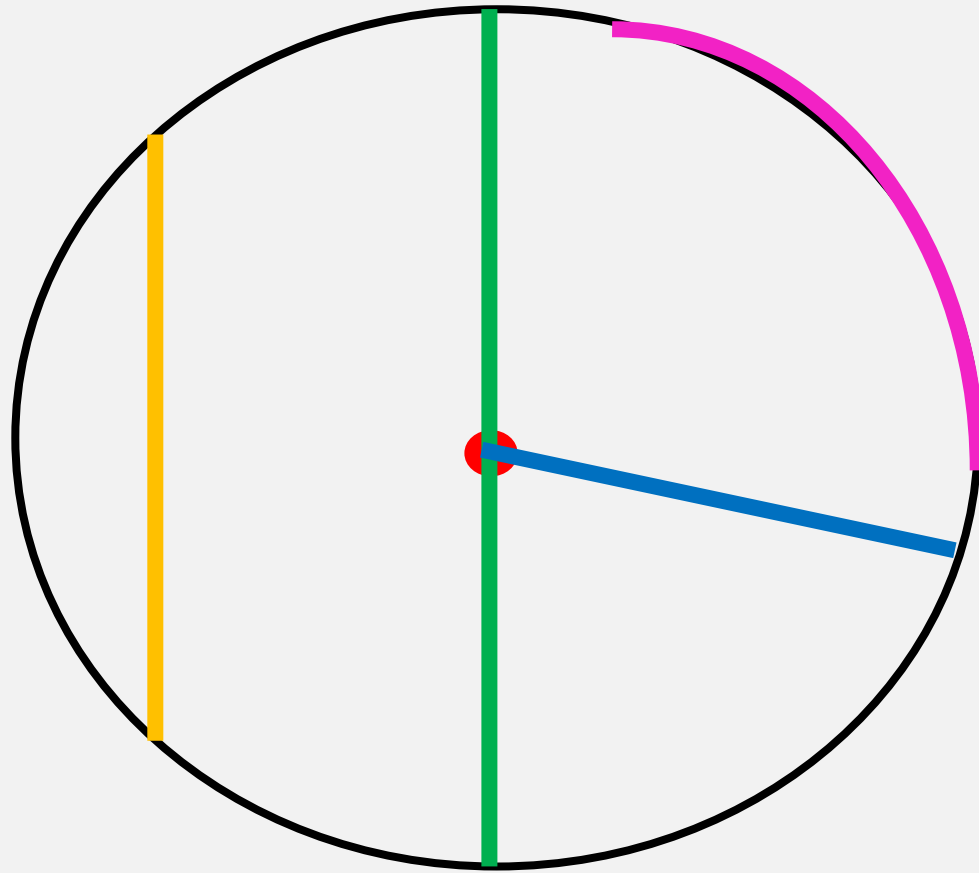
Draw a green diameter.

FILL IN THE PARTS OF THE CIRCLE.



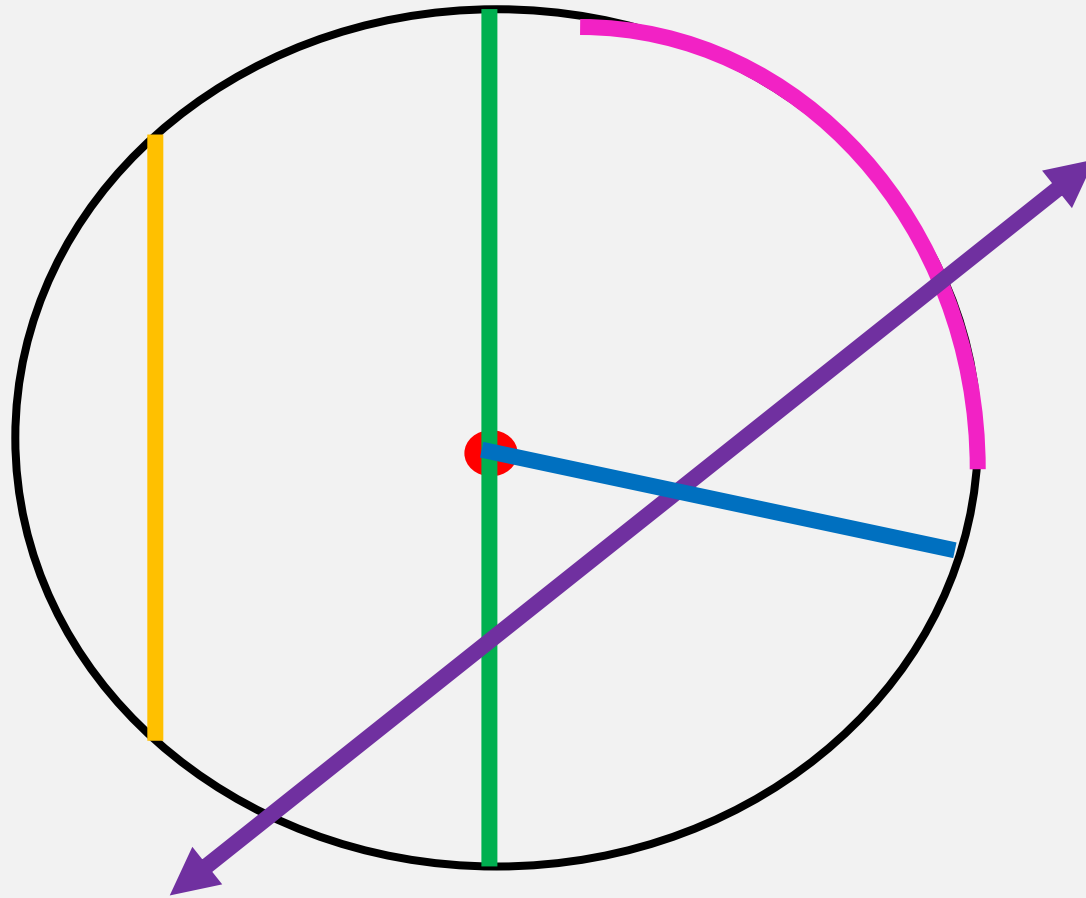
Draw an orange chord.

FILL IN THE PARTS OF THE CIRCLE.



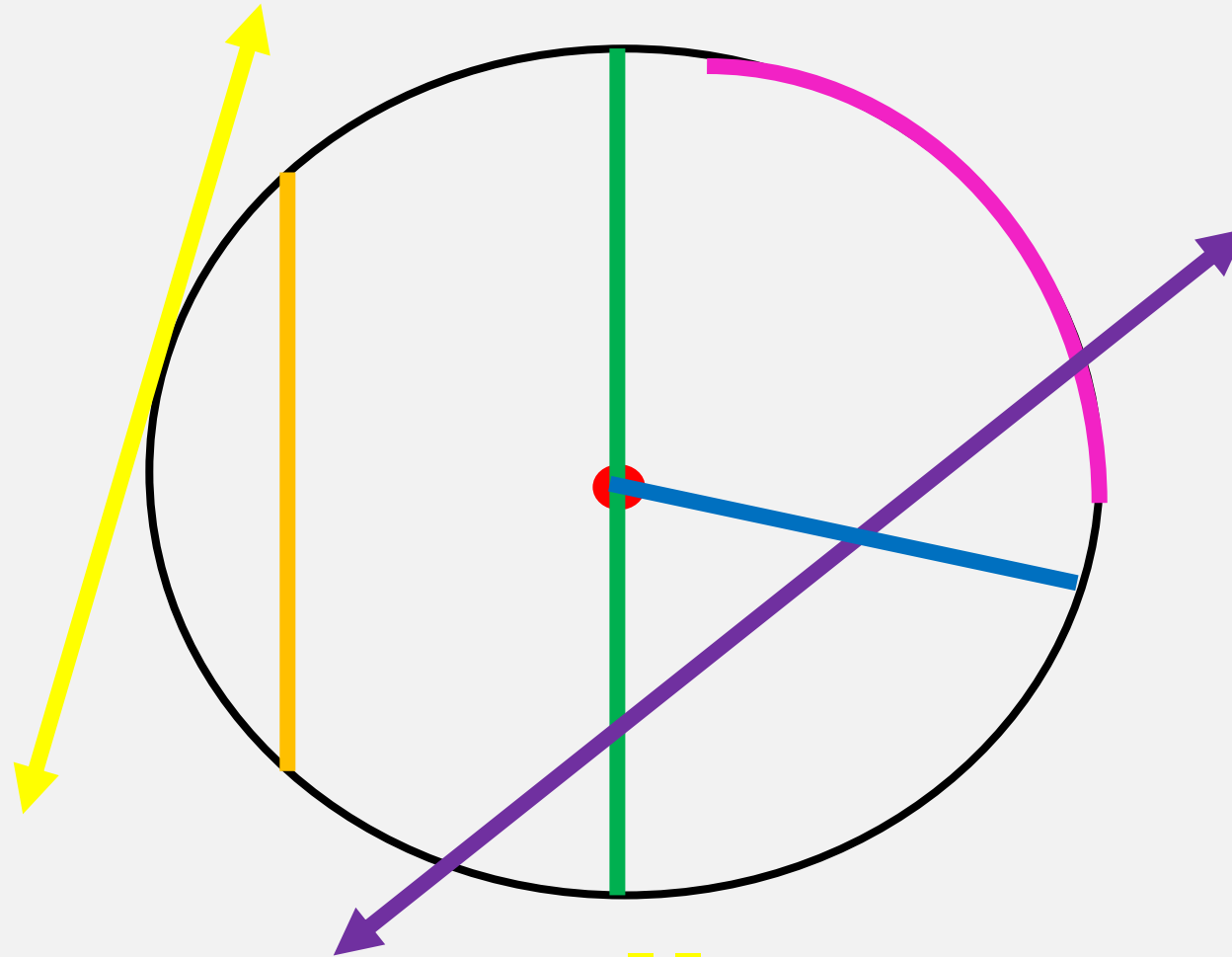
Draw a pink arc.

FILL IN THE PARTS OF THE CIRCLE.



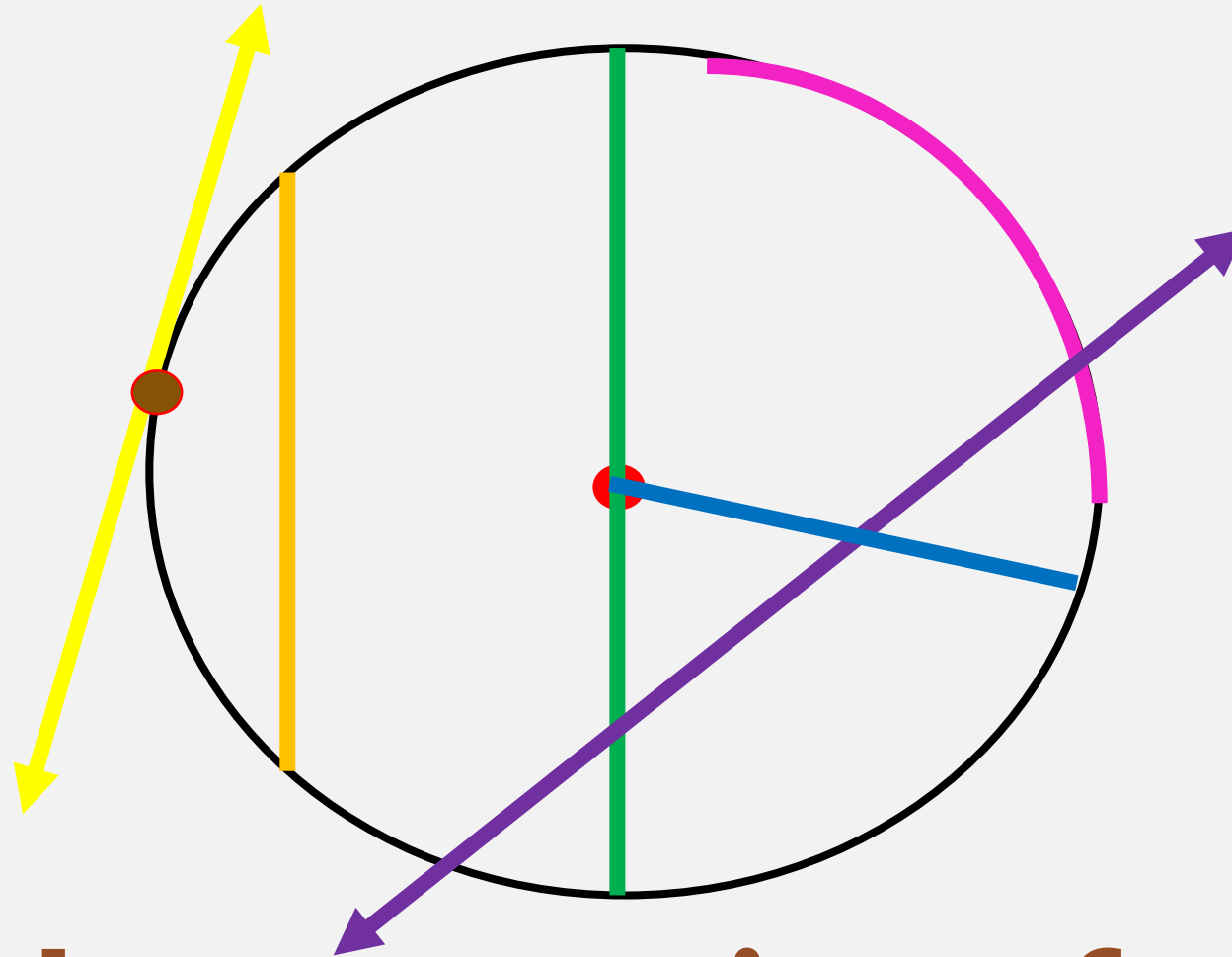
Draw a purple secant.

FILL IN THE PARTS OF THE CIRCLE.



Draw a **yellow tangent**.

FILL IN THE PARTS OF THE CIRCLE.



Draw a brown point of tangency.