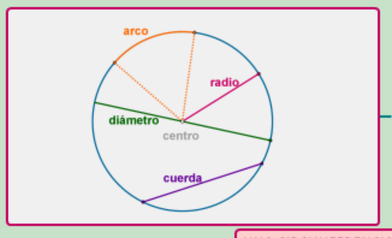
CIRCUNFERENCIA Y CÍRCULO

LA CIRCUNFERENCIA

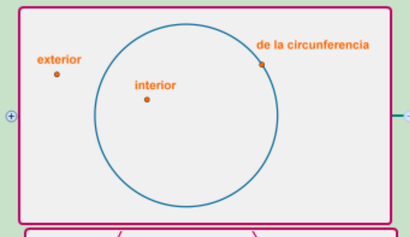
DEFINICIÓN Y ELEMENTOS



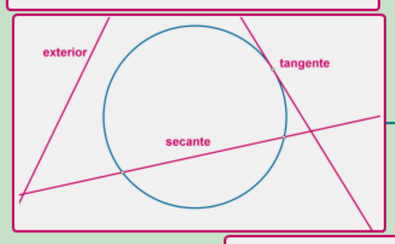
UNA CIRCUNFERENCIA QUEDA DETERMINADA POR:
- Su centro y el radio.
- Tres puntos por los que pasa

CIRCUNFERENCIA - CIRCUNFERENCIA

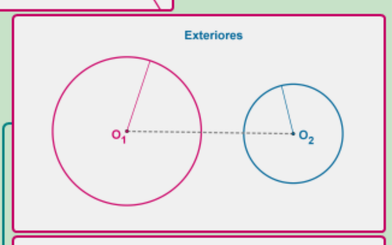
POSICIONES RELATIVAS

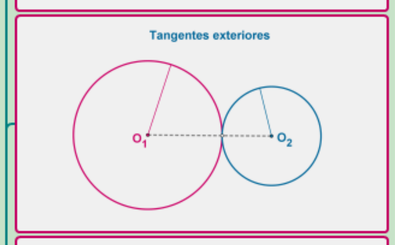


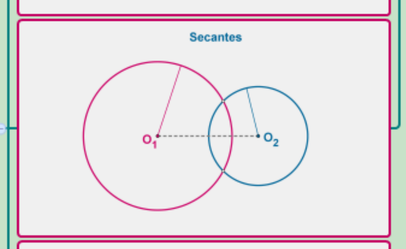
PUNTO - CIRCUNFERENCIA

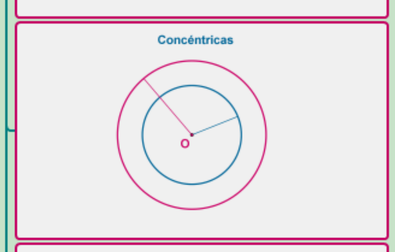


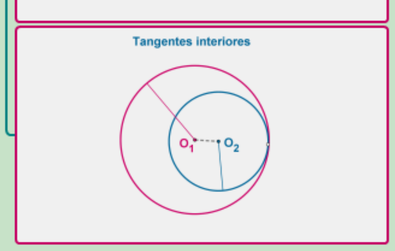
RECTA - CIRCUNFERENCIA



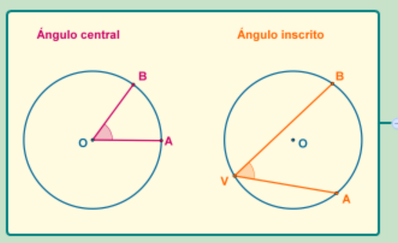








ÁNGULOS CETRALES Y ÁNGULOS INSCRITOS



EL CÍRCULO

DEFINICIÓN

círculo

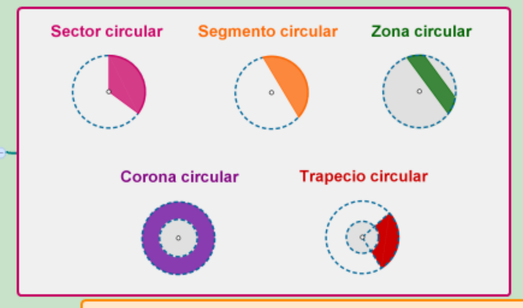
circunferencia

ÁREA

Área del círculo:
$A = \pi \cdot radio^2$

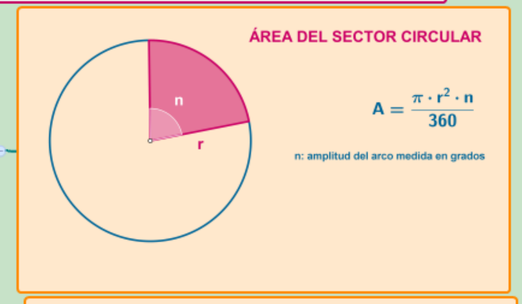
ÁREAS DE FIGURAS CIRCULARES

FIGURAS CIRCULARES

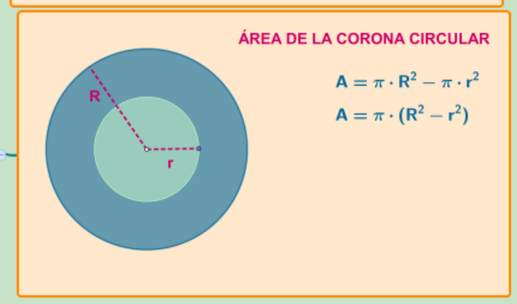


ÁREAS

SECTOR CIRCULAR

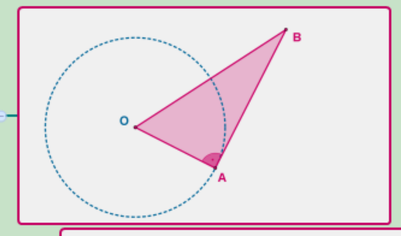


CORONA CIRCULAR

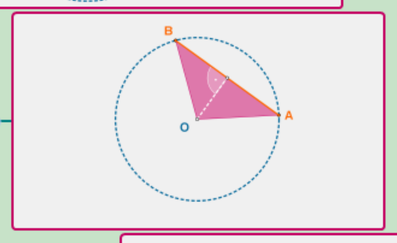


APLICACIÓN DEL TEOREMA DE PITÁGORAS EN LA CIRCUNFERENCIA

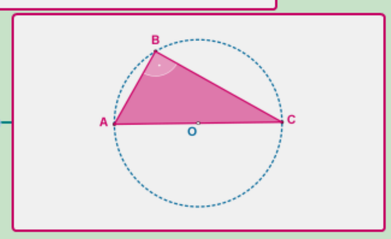
RADIO - RECTA TANGENTE



RADIO - PUNTO MEDIO CUERDA



TRIÁNGULO INSCRITO EN SEMICIRCUNFERENCIA

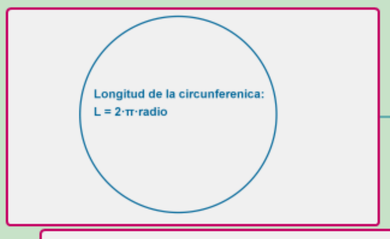


CÁLCULO DE ÁREAS DE FIGURAS MÁS COMPLEJAS

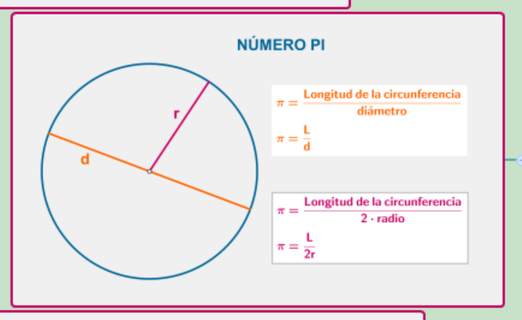
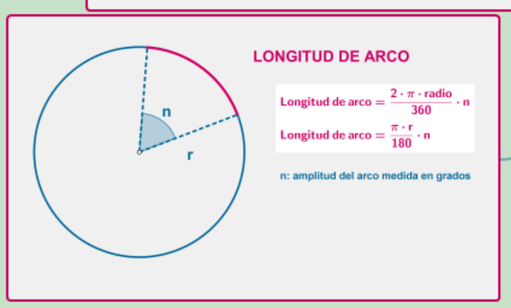
Se calculan por suma o resta de áreas más sencillas de calcular

LONGITUD DE LA CIRCUNFERENCIA Y DEL ARCO DE CIRCUNFERENCIA

LONGITUD DE LA CIRCUNFERENCIA



NÚMERO PI



LONGITUD DE UN ARCO