Circles

Students	Learning Continuum Statements:
Students:	**RIT 231-240:** • Uses the 45-45-90 and 30-60-90 right triangle relationships to calculate the length of a missing side of a right triangle • Uses the 45-45-90 and 30-60-90 right triangle relationships to solve real-world and mathematical problems
Students:	**RIT 241-250:** • Solves problems involving inscribed angles on a diameter • Understands that the ratio between the circumference and the diameter of a circle is equal to π • Uses properties of central and inscribed angles to solve problems involving circles
Students:	**RIT 251-260:** • Calculates the area of sectors given the measure of the central angle • Solves problems involving inscribed angles on a diameter • Understands that the ratio between the circumference and the diameter of a circle is equal to π • Uses properties of central and inscribed angles to solve problems involving circles • Uses properties of chords to solve problems involving circles
Students:	**RIT 261-270:** • Calculates arc lengths • Calculates the area of a circle given the measure of the central angle and the area of a sector • Calculates the area of sectors given the measure of the central angle • Calculates the central angle of a sector given the area of the sector • Recognizes a precise definition of circles • Solves problems involving arc measures of a circle • Solves problems involving inscribed angles on a diameter • Understands that the ratio between the circumference and the diameter of a circle is equal to π • Uses properties of central and inscribed angles to solve problems involving circles • Uses properties of chords to solve problems involving circles
Students:	**RIT 271-280:** • Calculates arc lengths • Calculates the area of sectors given the measure of the central angle • Solves problems involving inscribed angles on a diameter • Uses properties of central and inscribed angles to solve problems involving circles • Uses properties of chords to solve problems involving circles

Students:

        RIT 281-290:

- Uses properties of central and inscribed angles to solve problems involving circles

Students:	**RIT 291-300:** - Solves problems involving angles formed by chords and secants that intersect at a point inside the circle, other than at the center - Solves problems involving angles formed by tangents and secants that intersect at a point outside the circle