

M9 - 10.0 - Circles Review

Triangles Draw Triangles 180 ⁰ in a Triangle Isosceles Equilateral Right - Pythagoras 3rd Angle in a triangle	Congruent Triangles SAS ASA SSS AAS Similar Triangles AAA	Parallel Line Rules Angles on a line Sum to 180°. Complementary Angles add to 90°. Angles on a Point Sum to 360° Opposite Angles are Equal. Alternate Interior angles Equal. Corresponding Angles Equal. Co-Interiors Angles add to 180°		
Equal Angles/Parallel Lines Tick/Double Tick The Equal Lines/Angles Arrow/Double* the Parallel Lines		Methods Rotate the Page Extend Parallel/Lines Extend the Transversal Lines Draw a Radius/Connect Points Draw a Radius to Exterior Point Identify an unknown as "x"		
Identifying Angles in Circles 1. Make a slice of Pie with your Left and Right Hand 2. Central/Inscribed Angle is between your Index F 3. Arc/Chord is crust of Piece of Pie. 4. Shade Arc			Finding Shared Arcs/Chords Do you see an Angle measure? What type of Angle is it? Where is its Arc/Chord? Shade in its Arc. Any other Angles from that Arc/Chord?	
Circle Rules (Bisects: Cuts in half) Central Angles from Equal Arcs are Equal. Inscribed Angles from Same/Equal Arc/s are Equal. Inscribed Angles are Half Central Angles from Same/Equal Arc/s. Central Angles are Twice Inscribed Angles are Twice Inscribed Angles are Twice Inscribed Angles are Twice Inscribed Angles from Same/Equal Arc/s. Central Angles are Twice Inscribed Angles from Same/Equal Arc/s. Agons: Tangent Lines are Perpendicular to Radius. Perpendicular Bisector of a Chord passes through Center of Circle. Agons: Tangents to Exterior Points are Equal. Pent: 5 Hex: 6 Opposite Angles in a Cyclic Quadrilateral Sum to 180°. Hept: 7 Oct: 8 Inscribed Angles in a Semi-Circle Equal 90°. Oct: 8 Non: 9 The Angle between the Tangent and the Chord is Equal to the Inscribed Dec: 10 DoDec: 12				
Polygons $n = \# \text{ of sides}$ Regular: All Sides/Angles =Sum of Interior Angles = $(n-2) \times 180^{\circ}$ Angles in a Triangle Sum to 180° Interior Angle = $\frac{Sum}{n} = \frac{(n-2) \times 180^{\circ}}{n}$ Angles in a Pentagon Sum to 540° Interior + Exterior = 180° IntInterior + Exterior = 180° IntExtSum of all Exterior Angles sum to 360°				