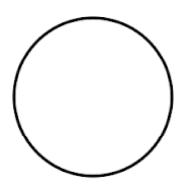
Chapter 9 - Circles!!!

In your groups, come up with a definition for the term circle without using the word "round."



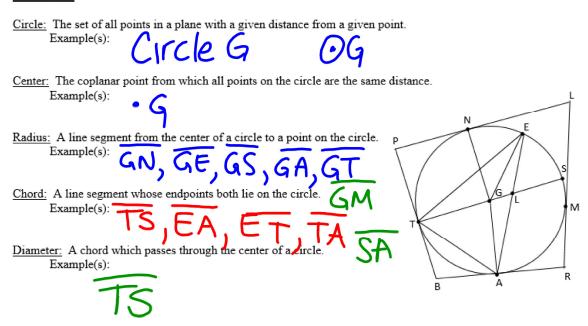
9.0 Circle Definitions and Arcs Day 1

Learning Targets:

- a. I can identify and name the parts of a circle: radius, diameter, chord, tangent, point of tangency, center, circumscribed polygon, inscribed polygon, arc, central angle, and inscribed angles.
- b. I can define congruent and concentric circles.

Take 5 minutes in your groups to read through each of the following definitions and come up with as many examples as you can for each term.

Definitions:



Tangent: A line, segment, or ray which touches a circle at exactly one point.

Example(s):

Point of Tangency: The point of intersection of a tangent and a circle.

Example(s):

Arc: Two points on a circle and the continuous part of the circle between them.

Example(s):

Central Angle: An angle whose vertex is the center and whose sides pass through the endpoints of an arc.

Example(s):

An angle whose vertex is on the circle and whose sides pass through the endpoints of an arc.

Example(s):

An angle whose vertex is on the circle and whose sides pass through the endpoints of an arc.

Example(s):

An Angle: An angle whose vertex is on the circle and whose sides pass through the endpoints of an arc.

A few more definitions:

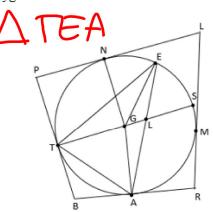
Circumscribed Polygon: A polygon that is located outside of a circle whose sides are tangents of the circle.

Example(s):

Inscribed Polygon: A polygon that is located inside of a circle and whose vertices are all on the circle.

Quad PLRB

Example(s):



Concentric Circles: Circles which have the same radius length. Determine if each of the following sets of circles are congruent. The circles may not be drawn to scale. 1. AB = 3x - 1 AB = 3x -