Measuring Segments  Guided Notes

A _________________ is a statement that is assumed to be true.

Ruler Postulate -- (distance) is always ____________________

Segment Addition Postulate - Part + Part is a ________________

Examples-

Distance formula ------

Pythagorean Theorem ---

Examples
Measuring Segments Guided Notes

A ____________________________ is part of a line containing 2 endpoints and all points on the line that lie between them. A line segment is named by _________________________________.

Picture Notation

__________________________ is an undefined concept in geometry. In order for a point to be between 2 points it must be ___________________________ with the points.

Picture

C is between A and B
D is not between A and B

A __________________ starts at a point (______________________________) and extends infinitely in one direction. A ray is named by using its ________________________________ and then any other point on the ray.

Picture

Notation

Examples:
Measuring Segments Guided Notes

Opposite Rays are two rays with the same _____________________________ and whose points are collinear.

An _________________ is formed by 2 rays that have the same ______________________________. The rays are the sides of the angle.

The initial point of the 2 rays is called the _________________ of the angle. An angle can be named by the _________________ or 3 letters (________________________________________________).

Notation

The notation for the measure of an angle is the same notation written with an “m” in front.

Examples:
Measuring Segments Guided Notes

Two angles are adjacent if they share a common _______________ and ______________, but have no common interior points.

Example:

Adjacent: _______________________________
Not Adjacent: __________________________

Angles are classified by their measures. There are 4 types of angles:

Acute _________________________________
Right _________________________________
Obtuse ________________________________
Straight _______________________________