An angle consists of two different rays with the same endpoint. The rays are the sides of the angle. The endpoint is the vertex of the angle.
The angle with sides $\overrightarrow{A B}$ and $\overrightarrow{A C}$ can be named $\angle B A C$, $\angle C A B$, or $\angle A$. Point $A$ is the vertex of the angle.


The vertex must be the middle letter when naming the angle with three letters.
CLASSIFYING ANGLES Angles can be classified as acute, right, obtuse, and straight, as shown below.


## Postulate 4 Angle Addition Postulate

Words If $P$ is in the interior of $\angle R S T$, then the measure of $\angle R S T$ is equal to the sum of the measures of $\angle R S P$ and $\angle P S T$.

Symbols If $P$ is in the interior of $\angle R S T$, then $m \angle R S T=m \angle R S P+m \angle P S T$.


CONGRUENT ANGLES Two angles are congruent angles if they have the same measure. In the diagram below, you can say that "the measure of angle $A$ is equal to the measure of angle $B$," or you can say "angle $A$ is congruent to angle $B$."


An angle bisector is a ray that divides an angle into two angles that are congruent.

