1.6   Angles and Their Measures

An <u>angle</u> consists of two rays that have the same endpoint.

The rays are the <u>sides</u> of the angle.

The endpoint is the <u>vertex</u> of the angle.

To name an angle, use the angle symbol and:

1. the vertex letter
2. three letters, the side, the vertex, and the other side
3. the number

The <u>measure</u> of an angle has a unit of degrees (∘).

m∠A stands for the measure of ∠A.
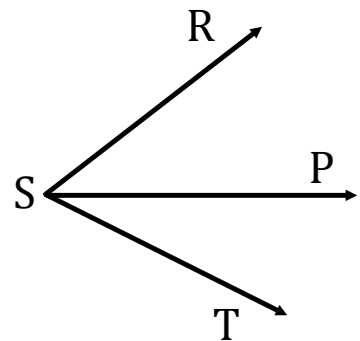
Example 1:   pg. 35 bottom checkpoint

Two angles are <u>congruent angles</u> if they have the same measure.

Angles are classified as:

    1. <u>acute</u>

    2. <u>right</u>

    3. <u>obtuse</u>

    4. <u>straight</u>

Angle Addition Postulate: If P is in the interior of ∠RST, then the measure of ∠RST is the sum of the measures of ∠RSP and ∠PST.

Example 2:   pg. 37 bottom checkpoint