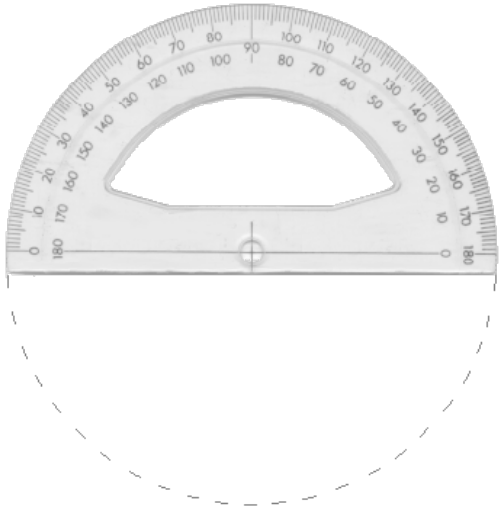
Protractor Postulate

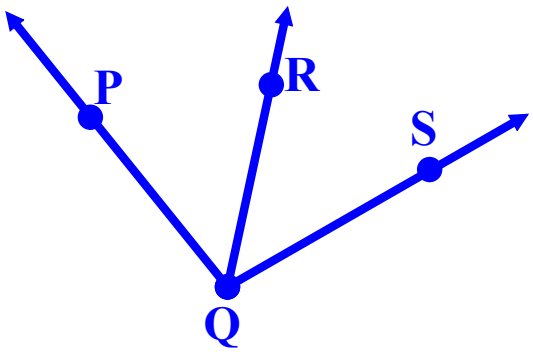
∠'s are measured in units called **DEGREES**



The Angle Addition Postulate

If pt. R is in the interior of ∠PQS,

then $m\angle PQR + m\angle RQS = m\angle PQS$



Supplement Theorem

If 2 ∠'s form a linear pair, then they are supplementary

Complement Theorem

If 2 adj. ∠'s form rt. ∠, then they are complementary.

Congruence of angles is reflexive.

Congruence of angles is symmetric.

Congruence of angles is transitive.

∠'s supplementary to the same ∠ or to ≅ ∠'s are ≅

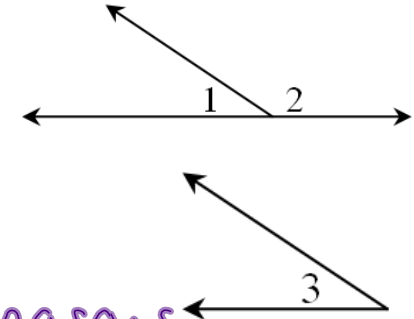
∠'s complementary to the same ∠ or to ≅ ∠'s are ≅

Vertical ∠'s are ≅

⊥ lines intersect to form 4 rt. ∠'s

All right ∠'s are ≅

Given: $\angle 1$ and $\angle 2$ are adj. $\angle$'s, $\angle 1 \cong \angle 3$
Prove: $\angle 2$ and $\angle 3$ are supp. $\angle$'s



Statements	Reasons
① $\angle 1$ & $\angle 2$ are adj $\angle$'s $\angle 1 \cong \angle 3$	① Given