Theorems and Postulates for Proofs

Basics: Similar Triangles:

Reflexive   SSS

Transitive   SAS

Substitution   AA

Addition Property of Equality

Subtraction Property of Equality   Congruent Triangles:

Segment Addition   SSS

Angle Addition   SAS

                                                 ASA

Special Angles: AAS

Complementary   HL

Supplementary   CPCTC

Vertical

Linear Pair

Adjacent

Parallel Lines and Transversals:

Corresponding Angles

Alternate Interior Angles

Alternate Exterior Angles

Same-side Interior Angles

Same-side Exterior Angles

**Remember Converse theorems are flipped
"if" and "then"**