Def. ≅ Δ's (CPCTC)

2 Δ's are ≅ if and only if their corresponding parts are ≅

Post. 4.1 SSS Post.

If the sides of 1 Δ are $\cong$ to the sides of a 2nd Δ, then the 2 Δ's are $\cong$.

Post. 4.2 SAS Post.

If 2 sides and the included $\angle$ of 1 Δ are $\cong$ to 2 sides and the included $\angle$ of a 2nd Δ, then the 2 Δ's are $\cong$.

Post. 4.3 ASA Post.

If 2 ∠'s and the included side of 1 Δ are ≅ to 2 ∠'s and the included side of a 2nd Δ, then the 2 Δ's are ≅.

Th. 4.5 AAS Th.

If 2 ∠'s and a nonincluded side of 1 Δ are ≅ to the corr. 2 ∠'s and a nonincluded side of a 2nd Δ, then the Δ's are ≅.