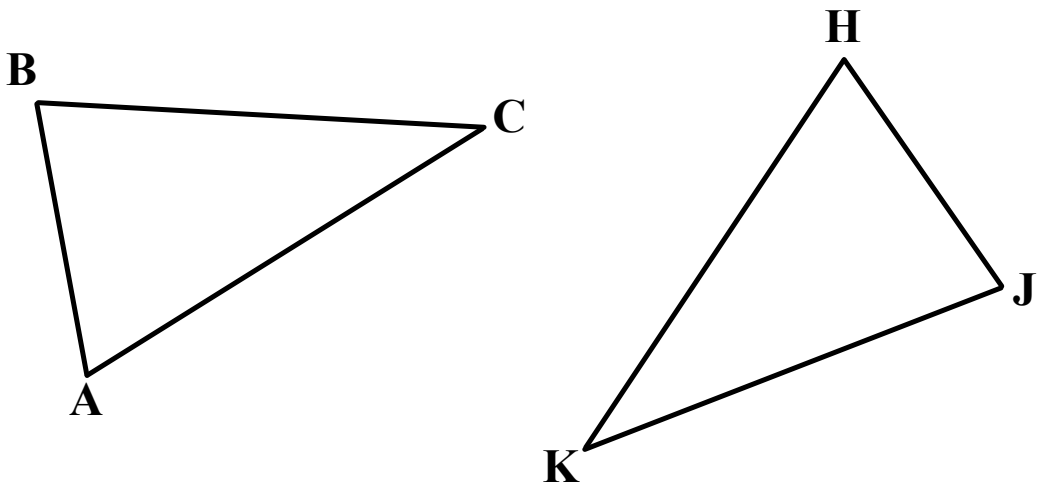
Def. Congruent Polygons

For two polygons to be ≅, all the parts of one of the polygons must be ≅ to the corresponding parts of the othe polygon.

Parts include corresponding angles and corresponding sides


B
C
A
H
J
K

Th. 4.3 Third ∠ Th.

If 2 ∠'s of one Δ are ≅ to 2 ∠'s of a second Δ, then the third angles are ≅.

Th. 4.4

Congruence of Δ's is reflexive, symmetric, and transitive.