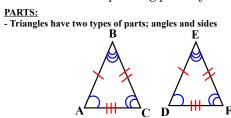
<u>4 -3</u> **Congruent Triangles**

Congruent Triangles
Two Triangles are considered congruent
if all the parts of one triangle are congruent to all the corresponding parts of another.

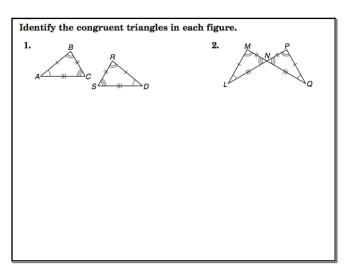


Congruence Statement

- Once it has been determined that two triangles are congruent, a congruence statement can be written.

SAMPLE of CONGRUENCE STATEMENT ∆ABC ≅ ∆DEF

(This statement states Triangle ABC is congruent to Triangle DEF.)



<u>CPCTC</u>

<u>Corresponding Parts of Congruent Triangles are Congruent</u>

- Since the two triangles are congruent, you can conclude that all their corresponding parts(angles and sides) are congruent because of CPCTC.

ANGLES SIDES ∠A≅∠D AB≅DE ∠B≅∠E BC≅EF

∠C≅∠F AC≅DF