## 2.6 Proving Congruent Triangles

Here you will focus on formal geometric proofs. Where applicable, it would be beneficial to draw diagrams so that you can have a visual representation of what is given and can determine other relationships.

Remember, when you prove two triangles are congruent, their corresponding parts are congruent.

Example 1:

Given AC = CE

Prove  $\triangle ABC \cong \triangle CDE$ 

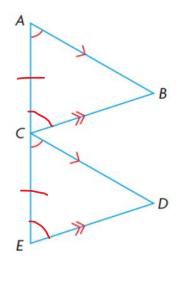
Reson

CCAB=LECB

< BCA = LDEC

DABC=ACDE

Collesponding angles



Example 2:

Given  $TP \perp AC$ 

AP = CP

L: perpendicular (meets at 900)

Prove  $\triangle TAC$  is isosceles.

Reeson





