***Using Triangle Congruence***

In the previous lessons you learned to use SSS, SAS, ASA, AAS, and HL to prove that two triangles are congruent. Once you know that triangles are congruent, you can make conclusions about corresponding segments and angles because of **C**orresponding **P**arts of **C**ongruent **T**riangles are **C**ongruent. A shorthand way of writing this is **CPCTC**

|  |  |
| --- | --- |
| **Example 1:**  Given: Given: ,  Prove: ∠*A* ≅ ∠*E* |  |
|  |  |

|  |  |
| --- | --- |
| **Example 2:**  Given:  Prove: |  |

|  |  |
| --- | --- |
| **You Try!**  Given:  Prove:  is isosceles |  |