Name	
Date	Period

Properties of Congruence of Triangles

Reflexive Property

Symmetric Property

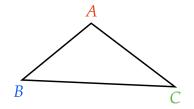
Transitive Property

Statements	Reasons

Reflexive Property

Given: ΔABC

Prove: $\triangle ABC \cong \triangle ABC$



Statements	Reasons	
		Symmetric Property
		Given: $\Delta ABC \cong \Delta XYZ$
		Prove: $\Delta XYZ \cong \Delta ABC$
		A X X Z



Properties of Congruence of Triangles

```
Reflexive Property Symmetric Property \Delta ABC \cong \Delta ABC \qquad \text{if } \Delta ABC \cong \Delta XYZ, then \Delta XYZ \cong \Delta ABC.
```

```
Transitive Property if \triangle ABC \cong \triangle XYZ and \triangle XYZ \cong \triangle RST, then \triangle ABC \cong \triangle RST.
```