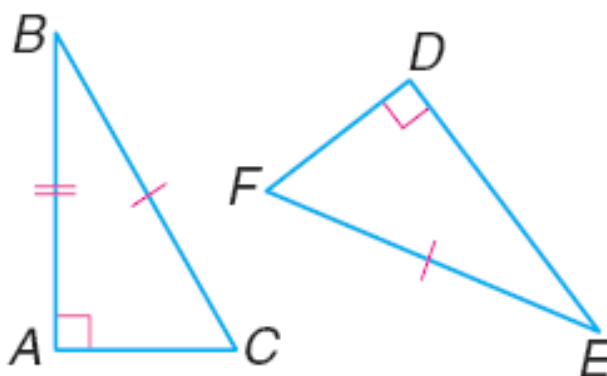


Name: \_\_\_\_\_

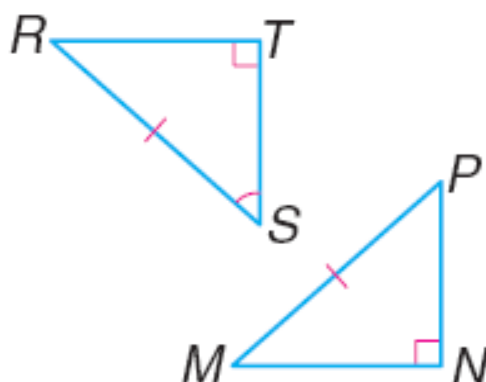
## Congruent Right Triangles

- 1) Name the corresponding parts needed to prove the triangles congruent. Then complete the congruence statement and name the theorem used.

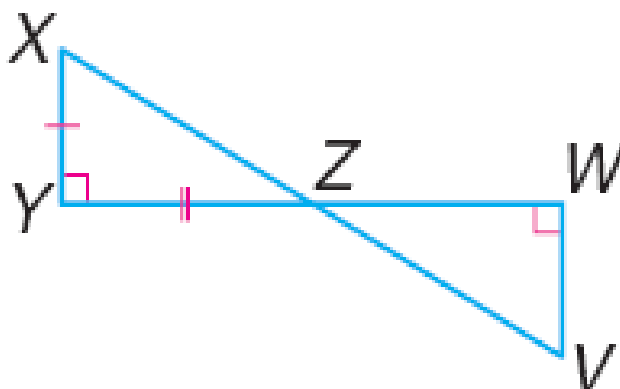
1)  $\triangle BAC \cong$



2)  $\triangle RTS \cong$

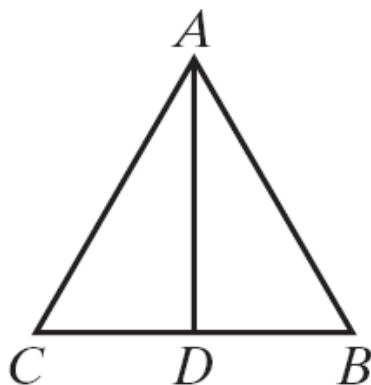


3)  $\triangle XYZ \cong$

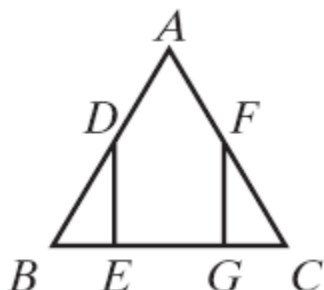


- 2) Given:  $\overline{AD} \perp \overline{BC}$  and  $\overline{AD}$  bisects  $\angle BAC$

Prove:  $\triangle ADC \cong \triangle ADB$



- 3) Given:  $\triangle ABC$  with  $AB = AC$ ,  $BG = EC$ ,  $\overline{BE} \perp \overline{DE}$ , and  $\overline{CG} \perp \overline{GF}$ .  
Prove:  $\overline{BD} \cong \overline{CF}$



- 4) Given:  $\overline{DA} \cong \overline{CB}$ ,  $\overline{DA} \perp \overline{AB}$ , and  $\overline{CB} \perp \overline{AB}$   
Prove:  $\triangle DAB \cong \triangle CBA$  and  $\overline{AC} \cong \overline{BD}$

