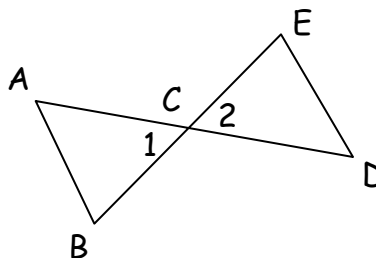
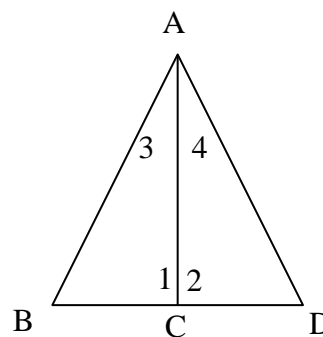


PreAP Geometry  
Notes Congruent  $\Delta$  Proofs

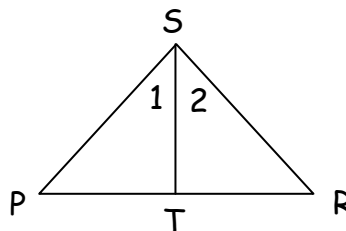
1. Given:  $\overline{AB} \parallel \overline{DE}$ ;  $C$  is the bisector of  $\overline{AD}$   
Prove:  $\Delta ABC \cong \Delta DEC$



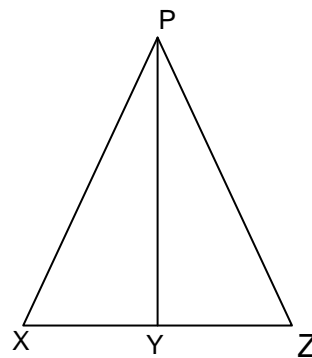
- 
2. Given:  $\overline{AC} \perp \overline{BD}$ ;  $\overline{AB} \cong \overline{AD}$   
Prove:  $\Delta ABC \cong \Delta ADC$



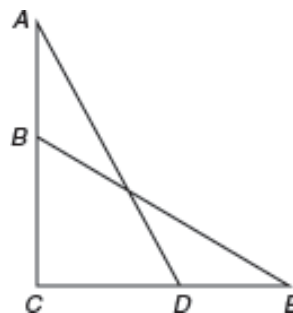
3. Given:  $\overline{ST}$  bisects  $\angle RSP$ ;  $\overline{PS} \cong \overline{RS}$   
Prove:  $\Delta PTS \cong \Delta RTS$



4. Given:  $Y$  is the midpoint of  $\overline{XZ}$ ;  $\overline{PY} \perp \overline{XZ}$   
 Prove:  $\triangle XYP \cong \triangle ZYP$



5. Given:  $\angle A \cong \angle E$ ;  $\overline{AC} \cong \overline{EC}$   
 Prove:  $\overline{CB} \cong \overline{DC}$



6. Given:  $\overline{AB} \cong \overline{DE}$   
 $\angle A \cong \angle D$   
 Prove:  $\overline{BC} \cong \overline{EC}$

