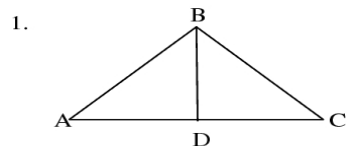
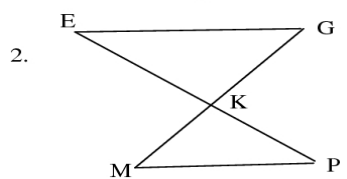


CPCTC: Corresponding Parts of Congruent Triangles are Congruent

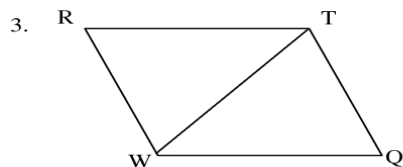
Use one of the congruence theorems we have studied (SSS, SAS, AAS, ASA) to prove that the triangles are congruent. Then use CPCTC to help draw further conclusions. Your answers should be in flow proof format.



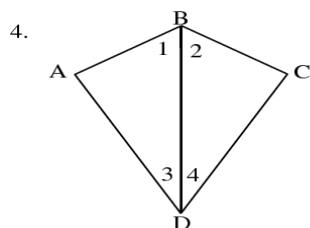
Given:  $\overline{BD} \perp \overline{AC}$   
 D is the midpoint of  $\overline{AC}$   
 Prove:  $\angle A \cong \angle C$



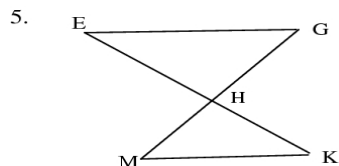
Given:  $\angle E \cong \angle P$   
 K is the midpoint of  $\overline{EP}$   
 Prove:  $\overline{EG} \cong \overline{MP}$



Given:  $\overline{RT} \cong \overline{WQ}$   
 $\angle R \cong \angle Q$   
 Prove:  $\overline{RW} \cong \overline{TQ}$



Given:  $\angle A \cong \angle C$   
 $\angle 1 \cong \angle 2$   
 Prove:  $\overline{BD}$  bisects  $\angle ADC$



Given: H is the midpoint of  $\overline{GM}$   
 H is the midpoint of  $\overline{EK}$   
 Prove:  $\overline{EG} \cong \overline{MK}$