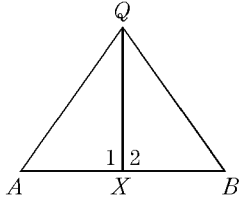


Honors Math 3  
Triangle Congruence Proofs

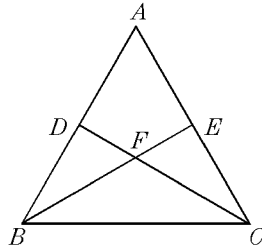
1. Given:  $\overline{QX} \perp \overline{AB}$  at  $X$ ,  $X$  is the midpoint of  $\overline{AB}$

Prove:  $\triangle AXQ \cong \triangle BXQ$



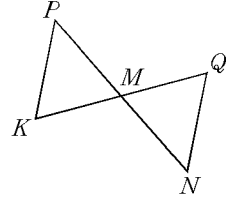
2. Given:  $\overline{AB} \cong \overline{AC}$ ,  $\overline{DB} \cong \overline{EC}$

Prove:  $\triangle CBD \cong \triangle BCE$



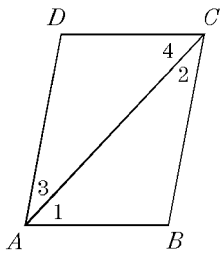
3. Given:  $M$  is the midpoint of  $\overline{KQ}$  and  $\overline{PN}$

Prove:  $\triangle PMK \cong \triangle NMQ$



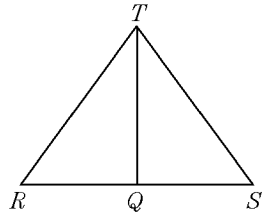
4. Given:  $\overline{AB} \parallel \overline{DC}$ ,  $\overline{AB} \cong \overline{CD}$

Prove:  $\angle 2 \cong \angle 3$



5. Given:  $\overline{TQ}$  is the perpendicular bisector of  $\overline{RS}$

Prove:  $\angle R \cong \angle S$



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Honors Math 3      Triangle Congruence Proofs      10/30/2017

1.  
Answer:      [proof]  
CodePath:    EAS.GEO.N.H.9
2.  
Answer:      [proof]  
CodePath:    EAS.GEO.N.H.15
3.  
Answer:      [proof]  
CodePath:    EAS.GEO.N.H.23
4.  
Answer:      [proof]  
CodePath:    EAS.GEO.N.J.33
5.  
Answer:      [proof]  
CodePath:    EAS.GEO.N.J.39