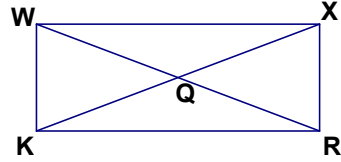


Name \_\_\_\_\_  
Mr. Schlansky

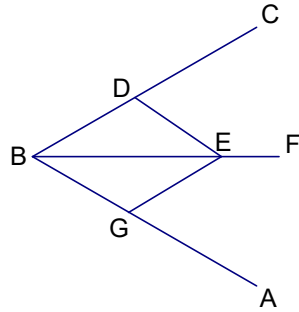
Date \_\_\_\_\_  
Geometry

## Proving All Parallelograms

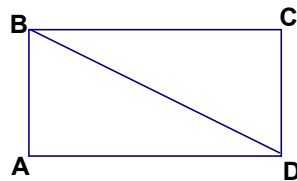
1. Given:  $\overline{KX}$  bisects  $\overline{WR}$ ,  $\overline{KQ} \cong \overline{QX}$ ,  $\overline{KW} \perp \overline{WX}$   
Prove:  $WXRK$  is a rectangle



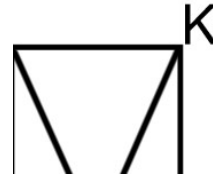
2. Given:  $\overline{BF}$  bisects  $\angle CBA$ ,  $\overline{DE} \parallel \overline{BA}$ ,  $\overline{GE} \parallel \overline{BC}$   
Prove:  $DEGB$  is a rhombus



3. Given:  $\triangle ABD \cong \triangle CDB$ ,  $\overline{BC} \perp \overline{CD}$   
Prove:  $ABCD$  is a rectangle



4. Given: MILO is a rhombus,  $\overline{MI} \perp \overline{IL}$   
Prove: MILO is a square



5. Given: BARK is a rectangle and  $\triangle ARK$  is isosceles.  
Prove: BARK is a square

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6. Given:  $\angle WME \cong \angle EOW$ ,  $\angle MWO \cong \angle MEO$ ,  $\overline{ME} \cong \overline{EO}$ ,  $\overline{MO} \cong \overline{EW}$   
Prove: MEOW is a square