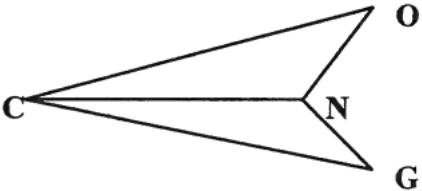
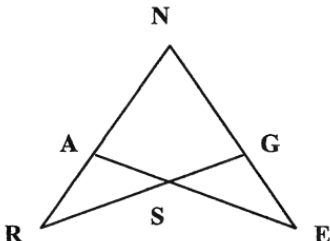
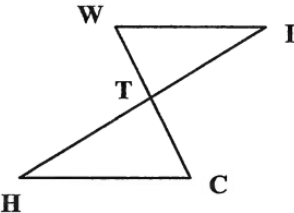
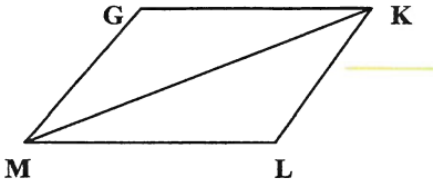
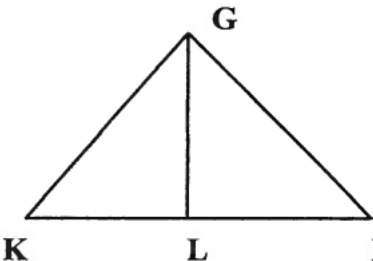
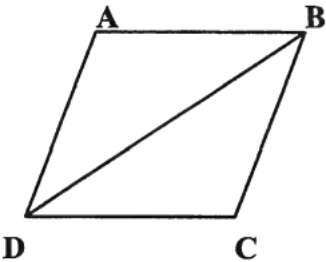
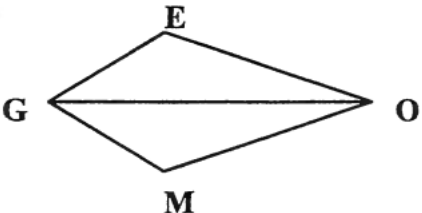


Proof Presentations: Today your group will be assigned one of the following challenges to prove. Remember that for every statement you make you must justify what you know, and how you know it. I encourage you to set your proof up as a flow chart proof, to help illustrate that you are stringing together conditional statements. In essence using the law of syllogisms to move from your givens to a conclusion.

Given: $\overline{CO} \cong \overline{CG}$ and $\overline{ON} \cong \overline{NG}$ Prove: $\angle OCN \cong \angle GCN$ 	Given: $\overline{RN} \cong \overline{NE}$ and $\angle R \cong \angle E$ Prove: $\overline{RG} \cong \overline{AE}$ 
Given: T is the midpoint of $\overline{HI}$ and $\overline{WI} \parallel \overline{HC}$ Prove: T is the midpoint of $\overline{WC}$ 	Given: $\overline{GK} \parallel \overline{ML}$ and $\overline{GK} \cong \overline{ML}$ Prove: $\angle G \cong \angle L$ 
Given: $\overline{GL}$ bisects $\overline{KM}$ and $\angle KGM$ Prove: $\overline{KG} \cong \overline{MG}$ 	Given: $\overline{AB} \parallel \overline{DC}$ and $\angle A \cong \angle C$ Prove: $\overline{AB} \cong \overline{DC}$ 
Given: $\overline{OG}$ bisects $\angle EOM$ and $\overline{EO} \cong \overline{MO}$ Prove: $\angle M \cong \angle E$ 	Given: $\overline{BA}$ and $\overline{DE}$ are both $\perp$ to $\overline{BE}$ C is the midpoint of $\overline{BE}$ $\angle DCB \cong \angle ECA$ Prove: $\triangle ABC \cong \triangle DEC$ 